



2018 PRODUCT CONDENSED CATALOG



Overview

About Axiomtek

Innovations for the embedded world

For over 25 years, Axiomtek has been among the major design and manufacturing companies in the field of industrial computers & embedded systems. Since its establishment, Axiomtek has successfully gained worldwide recognition for our innovative designs and outstanding customer satisfaction. As a valuable & reliable industrial manufacturer, Axiomtek is devoted to producing state-of-the-art solutions that support users in achieving success. Axiomtek takes pride and ownership in what we do through our commitment to excellence.

Vision

To bring smart, innovative and sustainable embedded solutions to our connected world

Mission

Designs and manufactures embedded solutions for mission critical applications allowing our customers to bring superior products to their vertical markets

Value Systems

Passion: We are passionate about our vision, our goals and our commitment to serve our employees and customers.

Integrity: We earn your trust through honest and ethical business practice.

Innovation: Our focus is on developing new products using the most advanced technologies and customer-based experiences.

Partnership: We commit to long-term mutual success with customers, employees and stakeholders.

Leadership: Our goal is always to be the leader in our targeted markets.

Diversity: We strive to diversify our products and services to serve specific industry needs.

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Product Design

Single Board Computers

- Leading technology and comprehensive form factors
- Fast design-in services, time-to-market
- Custom BIOS services and flexible I/O modules supported
- Wide range temperature design capability for heavy-duty applications
- Quick turnaround time for ID/ME and working sample design

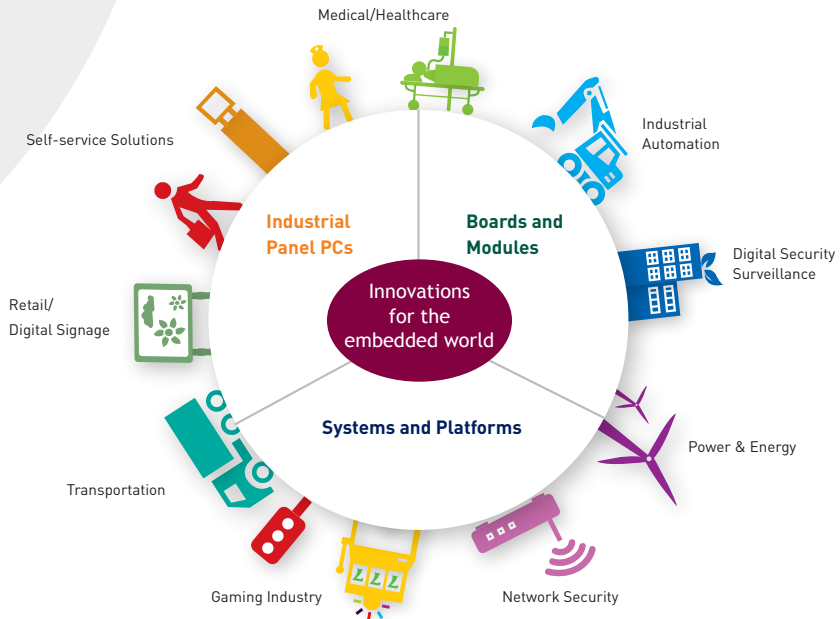
Systems & Platforms

- Heavy-duty design capabilities: extended temperature, fanless operation, anti-dust/water, anti-vibration, EMS and ESD
- Professional certified compliance and industrial standards
- Embedded OS and API capabilities to value-added custom systems

- IEC 61850/IEEE 1613 certificate for power grid and substations
- EN 50155/EN 50121-4/EN 45545 certificate for rolling-stock and railway management
- E-Mark and ISO 7637 for in-vehicle applications
- IEC 60945/DNV 2.4 certificate for marine
- EtherCAT master controller for factory automation
- Smart remote management solution for IIoT (AXView)

Touch Panel Computers

- Design for human machine interface, medical, kiosk, etc.
- EN 50155/EN 50121-4 certificate for rolling-stock and railway management
- Value-added systems with remote and local diagnostic functions
- Peripherals integration for medical, kiosk, POS and security applications
- Specific environmental design capability with certification upon request



Product Lines

Providing over 400 products through product lines of Industrial PCs (IPCs), Single Board Computers (SBCs), System on Modules (SoMs), Fanless and Rugged Embedded Systems (eBOX and rBOX), Intelligent Transportation Systems (tBOX), Touch Panel Computers (TPCs), Medical Panel Computers (MPCs), Human Machine Interfaces (HMIs), Digital Signage Solutions (DSSs), Industrial IoT Gateway, EtherCAT Master Controllers and Network Appliances (NAs), Axiomtek products are widely used in industrial automation, smart energy, transportation, kiosk, gaming, smart retail, healthcare, network infrastructure, and more.

Embedded Boards & System on Modules

From System on Modules, embedded single board computers, industrial motherboards to slot CPU cards, Axiomtek provides a comprehensive range of board solutions with full computing architectures including x86 processors and ARM-based processors. Axiomtek can satisfy your various embedded application needs.

Systems and Platforms

Axiomtek provides an extensive line of industrial & embedded computers, including embedded eBOX & tBOX systems, MicroBoxes, embedded field controllers, industrial barebone systems, industrial chassis, industrial workstations, backplanes, among many other peripherals/accessories. The configured and fanless embedded eBOX series delivers high reliability, extended temperature and noiseless operation for harsh environments. The tBOX series is especially designed for transportation applications such as vehicle, railway and marine markets. Its stability and reliability has earned an ISO 7637 and E-Mark certificates for vehicle applications, EN 50121 & EN 50155 certificates for railway applications and DNV 2.4, EN 45545-2 and IEC 60945 standards for marine market. The rBOX and ICO series constitute fanless embedded field controller solutions, specifically designed for intelligent computing and communication applications in smart energy and automation industries. Our digital signage platforms are compliant with various types of displays as well as suitable for different applications. To satisfy the demand for industrial applications, the industrial barebone system is designed for ATX industrial motherboard system markets, offering high level of reliability and performance. A wide range of PICMG 1.3/1.0 backplanes provide not only the highest compatibility with their power supply units unit but also the best extension slot selection. Our stable and reliable network appliance platforms boast of a lower total cost of ownership (TCO) and can be widely applied in VPN gateways, load balancing, network bandwidth management, SSL, firewalls, IDS/IPS, and many more.

Industrial Panel PCs

Axiomtek has incorporated valuable features and latest technology into its touch panel computers to cater to today's competitive market. The GOT5000 series is equipped with an ultra slim ID, super light and fanless features for small-size infotainment applications. To resist severe conditions, the GOT800 adopts a sunlight readable LCD and IP66-rated water/dustproof design ideal for outdoor use in dusty or wet spaces. The GOT700 is an EN 50155 certified touch panel computer solution with alternative keypad and high brightness LCD for rolling stock. The GOT3000, P1000 and P6000 series come with robust functions for industrial automation fields. Ideal for medical/healthcare applications, the MPC series are slim medical grade computers/monitors featuring low-noise operation, power saving, reliability and IPX1 water-proof design. The FDK series constitutes open frame panel computers with outstanding configuration flexibility for indoor kiosk, HMI automation and more!

Strength and Services



Global Support

Axiomtek maintains a global network of international subsidiaries and distributors in more than 40 countries. To maximize service efficiency, Axiomtek employs an international service network. Our worldwide technical support and sales service among our 16 office locations located in Taiwan, North America, Europe, China, Malaysia, Thailand and recently expanded to Japan ensures we deliver dedicated and prompt services. Through our global network of international subsidiaries, customers obtain faster services and the most competitive pricing. Each project is fully supported by a group of experienced engineers, mechanical engineers, field application engineers, and sales coordinators from our worldwide offices. From concept to design, Axiomtek provides a comprehensive set of services to help you shorten your product development cycle and speed up your "Time to Market" gaining a competitive advantage. It has never been this easy to develop a project! With years of experience and knowledge, Axiomtek is your best partner for industry applications.

Technical Support

Outstanding technical support is important to Axiomtek, therefore we have organized our customer service department into a team of technical support professionals from our headquarters as well as team members from global regions, providing real-time technical support and professional knowledge.

Partnership

As an Intel®, Microsoft® and AMD partner, Axiomtek has ample awareness of market trends and can rapidly develop advanced applications that enhance the competitiveness of our customers.

Microsoft Partner
Silver OEM



Manufacturing Capacity

Over 8,000 square meters of factory space, along with the latest manufacturing equipment gives us the capacity to fully serve OEM/ODM businesses and while achieving high quality prompt deliveries at low cost. Our manufacturing site is equipped with the most advanced SMT assembly lines and optical inspection systems utilizing the lead-free technology. Being ISO 9001, ISO 14001, ISO 13485 and UL certified factory has also been engaged in manufacturing high density single-sided, double-sided, and multi-layer boards (up to 12 layers). With manufacturing facility and logistic centers in Taiwan, USA and China. Axiomtek is well positioned to meet the demanding business needs so as to ensure business success of Solution Integrators anywhere and anytime.



Vertical Market Focus

Axiomtek's products are widely used in vertical markets such as gaming, automation, transportation, self-service, networking security, healthcare, digital video surveillance, power utility and digital signage applications. Axiomtek provides complete Embedded Board & SoMs, Industrial & Embedded Computers, Touch Panel Computers and all competitively priced solutions offered to system integrators, distributors, VAR's, and resellers. Axiomtek will also continue to emphasize the value of our selling partners and customers, and will maintain strong vertical market knowledge to develop and provide more efficient OEM/ODM programs.

eRMA Service

Axiomtek's online eRMA service allows customers to access the most up-to-date information on repairs and also print test reports directly. All RMA tracking information is also conveniently available to view online.

Software Service

To optimize system resources in demand, TCO (Total Cost of Ownership), system reliability and design of TTM (Time-to-Market), Axiomtek has established the embedded OS service force since 1999. Based on a platform concept, we combine two elements, a hardware SBC body and an embedded OS soul both constituting what we believe a perfect match for many application target applications.

Quality Assurance

Axiomtek is an ISO 9001, ISO 14001, ISO 13485 (for medical panel computers/monitors only) and TÜV certified company. We maintain stringent quality standards in our manufacturing processes, ensuring products go through rigorous quality checks at every stage of its production cycle. As a global citizen, Axiomtek is committed to providing green products that are compliant with WEEE and RoHS regulations.



Global Website

www.axiomtek.com

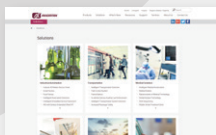
Axiomtek's multi-language website is designed using the latest Responsive Web Design technology (RWD) with rich, valuable, interactive information. Through our multi-language website you can access a wide variety of resources such as products, solutions, press releases, articles, eCatalogs, videos, downloads and more! Major sections of the Axiomtek multi-language website are as follow:

Multi-languages



Visitors can select from a wide selection of languages including, English, German, French, Italian, Japanese, Traditional Chinese and Simplified Chinese.

Solutions



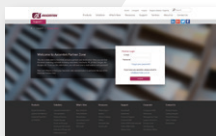
Here, you can refer to any vertical market in which your product offering is applicable. Configuration diagrams show how Axiomtek's products can be implemented into specific applications, and help customers build a successful solutions.

Supports



Axiomtek is devoted to providing the best customer services possible. Customers can obtain real-time update information such as manuals, drivers, VGA/LCD BIOS support lists and a FAQ database thru our eService. Axiomtek's creative eRMA online service offers a non-stop RMA service. Customers can access eRMA service, obtaining the most update information on repair and print test reports directly.

Partner Zone



This page is exclusively provided for Axiomtek sales representatives, channel partners and distributors. Here you can find the latest marketing information and collateral such as datasheets, brochures, press releases, product images, as well as product and company presentations.

Mobile Website



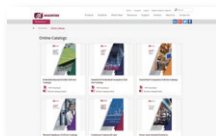
Axiomtek mobile site is designed to provide a better reading experience, with a focus on simplicity. You will be presented with a clear view of products, news, and solutions with minimal distraction. You can access Axiomtek mobile site by entering www.axiomtek.com into your mobile device browser.

Various Products



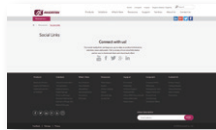
Axiomtek offers Embedded Boards & SoMs, Industrial & Embedded Computers, Network Appliances, signage and Touch Panel Computers. Customers can view product photos, features and ordering information and download complete product datasheets.

eCatalogs & Videos



Here, you can find our environmentally-friendly paperless online catalogs and videos for additional product information.

Social Links



Axiomtek social media links can keep you up-to-date on product information, solutions, news and events. Axiomtek is devoted to providing various platforms to let people get information faster and easier. Search "Axiomtek" at any of social links to visit us and be sure to bookmark them and check back often!

eNewsletters



To provide customers with real time news from Axiomtek, customers can sign up our eNewsletters by visiting our eNews page directly for the latest product news, service updates, event invitations, and more!

Axiomtek APP



iOS

System on Modules

NEW



NEW



NEW



Features/Models		CEM310	CEM311	CEM312
Form Factor		COM Express™ Type 10	COM Express™ Type 10	COM Express™ Type 6
CPU Level		Intel® Atom® x5/x7	Intel® Pentium® N4200/Celeron® N3350	Intel® Atom® x5/x7
CPU		Onboard	Onboard	Onboard
CPU FSB Frequency		N/A	N/A	N/A
Core Logic Chipset		SoC integrated	SoC integrated	SoC integrated
Memory Type		DDR3L-1600	DDR3L-1600	DDR3L-1600
Max. DRAM Capacity		4GB (standard)/8GB (optional)	4GB (standard)/8GB (optional)	8GB
Cache RAM Capacity		SoC integrated	SoC integrated	SoC integrated
BIOS		AMI UEFI BIOS	AMI UEFI BIOS	AMI UEFI BIOS
Watchdog Timer		0 ~ 65535 sec.	0 ~ 65535 sec.	0 ~ 65535 sec.
Onboard Storage		eMMC 5.0 up to 64GB (optional)	eMMC 5.0 up to 64GB (optional)	eMMC 5.0 up to 64GB (optional)
Onboard GPIO		4-in/4-out	4-in/4-out	4-in/4-out
I/O	IDE	N/A	N/A	N/A
	SATA	2 x SATA-600	2 x SATA-600	2 x SATA-600
	TPM	N/A	N/A	N/A
	Serial	COM 1	TX/RX	TX/RX
		COM 2	TX/RX	TX/RX
		COM 3	N/A	N/A
		COM 4	N/A	N/A
	USB	2 x USB 3.0 8 x USB 2.0	2 x USB 3.0 8 x USB 2.0	4 x USB 3.0 8 x USB 2.0
Display		1 x DDI 1 x LVDS (eDP optional)	1 x DDI 1 x LVDS (eDP optional)	2 x DDI 1 x LVDS (eDP optional) 1 x VGA (optional)
Ethernet		1 x 10/100/1000 Mbps Ethernet	1 x 10/100/1000 Mbps Ethernet	1 x 10/100/1000 Mbps Ethernet
Audio		Codec on baseboard	Codec on baseboard	Codec on baseboard
Hardware Monitoring		Yes	Yes	Yes
SMBus		Yes	Yes	Yes
Expansion Interface		max. PCIe with 4 lanes	max. PCIe with 4 lanes	max. PCIe with 4 lanes
Power Management		ACPI	ACPI	ACPI
Battery		Yes	Yes	N/A
Operating Temperature		-40°C ~ +85°C (-40°F ~ +185°F)	-20°C ~ +70°C (-4°F ~ +158°F)	-40°C ~ +85°C (-40°F ~ +185°F)
Relative Humidity		10% to 95%, non-condensing	10% to 95%, non-condensing	10% to 95%, non-condensing
EMI Compliance		CE	CE	CE
Wide Temperature		-40°C ~ +85°C (-40°F ~ +185°F)	-20°C ~ +70°C (-4°F ~ +158°F)	-40°C ~ +85°C (-40°F ~ +185°F)

System on Modules



Features/Models	CEM313	CEM511	CEM510
Form Factor	COM Express™ Type 6	COM Express™ Type 6	COM Express™ Type 6
CPU Level	Intel® Pentium® N4200/Celeron® N3350	7th gen Intel® Core™ i7/i5/i3	Intel® Xeon® and 7th gen Intel® Core™ i7/i5/i3
CPU	Onboard	Onboard	Onboard
CPU FSB Frequency	N/A	N/A	N/A
Core Logic Chipset	SoC integrated	SoC integrated	Intel® CM238/QM175/HM175
Memory Type	DDR3L-1600	DDR4-2133	DDR4-2133
Max. DRAM Capacity	8GB	32GB	32GB
Cache RAM Capacity	SoC integrated	SoC integrated	SoC integrated
BIOS	AMI UEFI BIOS	AMI UEFI BIOS	AMI UEFI BIOS
Watchdog Timer	0 ~ 65535 sec.	0 ~ 65535 sec.	0 ~ 65535 sec.
Onboard SSD	eMMC 64GB (optional)	N/A	N/A
Onboard GPIO	4-in/4-out	4-in/4-out (SDIO optional)	4-in/4-out
I/O	IDE	N/A	N/A
	SATA	2 x SATA-600	4 x SATA-600
	TPM	N/A	TPM 1.2
	Serial	COM 1	TX/RX
		COM 2	TX/RX
		COM 3	N/A
		COM 4	N/A
	USB	4 x USB 3.0 8 x USB 2.0	4 x USB 3.0 8 x USB 2.0
Display	2 x DDI 1 x LVDS (eDP optional) 1 x VGA (optional)	2 x DDI 1 x LVDS (eDP optional) 1 x VGA (optional)	3 x DDI 1 x LVDS (eDP optional) 1 x VGA (optional)
Ethernet	1 x 10/100/1000 Mbps Ethernet	1 x 10/100/1000 Mbps Ethernet	1 x 10/100/1000 Mbps Ethernet
Audio	Codec on baseboard	Codec on baseboard	Codec on baseboard
Hardware Monitoring	Yes	Yes	Yes
SMBus	Yes	Yes	Yes
Expansion Interface	PCIe with 4 lanes	PCIe with 6 lanes	PCIe with 24 lanes
Power Management	ACPI	ACPI	ACPI
Battery	Yes	Yes	N/A
Operating Temperature	-20°C ~ +70°C (-4°F ~ +158°F)	-40°C ~ +85°C (-40°F ~ +185°F)	-40°C ~ +85°C (-40°F ~ 185°F)
Relative Humidity	10% to 95%, non-condensing	10% to 95%, non-condensing	10% to 95%, non-condensing
EMI Compliance	CE	CE	CE
Wide Temperature	-20°C ~ +70°C (-4°F ~ +158°F)	-40°C ~ +85°C (-40°F ~ +185°F)	-40°C ~ +85°C (-40°F ~ 185°F)

NEW



Features/Models		Q7M310	Q7M311
Form Factor		Qseven	Qseven
CPU Level		Intel® Atom® x5/x7	Intel® Pentium® N4200/Celeron® N3350
CPU		Onboard	Onboard
CPU FSB Frequency		N/A	N/A
Core Logic Chipset		SoC integrated	SoC integrated
Memory Type		DDR3L-1600	DDR3L-1600
Max. DRAM Capacity		4GB (standard)/8GB (optional)	4GB (standard)/8GB (optional)
Cache RAM Capacity		SoC integrated	SoC integrated
BIOS		AMI UEFI BIOS	AMI UEFI BIOS
Watchdog Timer		0 ~ 65535 sec.	0 ~ 65535 sec.
Onboard Storage		eMMC 5.0 upto 64GB (optional)	eMMC 5.0 upto 64GB (optional)
Onboard GPIO		8-GPIO	8-GPIO
I/O	IDE	N/A	N/A
	SATA	2 x SATA-600	2 x SATA-600
	TPM	NA	NA
	COM 1	TX/RX	TX/RX
	COM 2	N/A	N/A
	COM 3	N/A	N/A
	COM 4	N/A	N/A
	USB	3 x USB 3.0 4 x USB 2.0	3 x USB 3.0 4 x USB 2.0
Display		1 x DDI 1 x LVDS (eDP optional)	1 x DDI 1 x LVDS (eDP optional)
Ethernet		1 x 10/100/1000 Mbps Ethernet	1 x 10/100/1000 Mbps Ethernet
Audio		Codec on baseboard	Codec on baseboard
Hardware Monitoring		Yes	Yes
SMBus		Yes	Yes
Expansion Interface		PCIe with 4 lanes	PCIe with 4 lanes
Power Management		ACPI	ACPI
Battery		Yes	Yes
Operating Temperature		-40°C ~ +85°C (-40°F ~ +185°F)	-20°C ~ +70°C (-4°F ~ +128°F)
Relative Humidity		10% to 95%, non-condensing	10% to 95%, non-condensing
EMI Compliance		CE	CE
Wide Temperature		-40°C ~ +85°C (-40°F ~ +185°F)	-20°C ~ +70°C (-4°F ~ +128°F)

3.5" Capa Boards



NEW



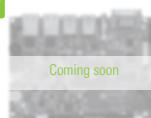
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Features/Models		CAPA500	CAPA318	CAPA313
Form Factor		3.5" Capa	3.5" Capa	3.5" Capa
CPU Level		7th/6th gen Intel® Core™ i7/i5/i3 & Celeron®	Intel® Pentium® N4200/ Celeron® N3350	Intel® Pentium® N4200/ Celeron® N3350
CPU Socket		LGA1151	Onboard	Onboard
Core Logic Chipset		Intel® H110 Intel® Q170 (optional)	SoC integrated	SoC integrated
Memory Type		DDR4-2400	DDR3L-1867	DDR3L-1867
Max. DRAM Capacity		16GB	8GB	8GB
Cache RAM Capacity		Integrated in CPU	Integrated in CPU	Integrated in CPU
BIOS		AMI UEFI BIOS	AMI UEFI BIOS	AMI UEFI BIOS
Watchdog Timer		255 Levels, 1 ~ 255 sec.	65536 levels, 1 ~ 65535 sec	65536 levels, 1 ~ 65535 sec
Onboard SSD		N/A	N/A	1 x mSATA
Onboard Digital I/O		8 channels in/out programmable	8 channels in/out programmable	8 channels in/out programmable
I/O	SATA	1 x SATA-600	1 x SATA-600	1 x SATA-600
	Serial	COM 1	RS-232	RS-232/422/485
		COM 2	N/A	RS-232
		COM 3	N/A	N/A
		COM 4	N/A	N/A
	USB	3 x USB 2.0, 3 x USB 3.0	2 x USB 2.0, 2 x USB 3.0	2 x USB 2.0, 4 x USB 3.0
SIM Card Slot		N/A	Yes	N/A
Display		1 x VGA 1 x HDMI 1 x LVDS	1 x VGA 1 x LVDS	1 x HDMI 1 x LVDS 1 x VGA (optional)
Ethernet		2 x 10/100/1000 Mbps Ethernet	2 x 10/100/1000 Mbps Ethernet	2 x 10/100/1000 Mbps Ethernet
Audio		HD Codec	HD Codec	HD Codec
Hardware Monitoring		Yes	Yes	Yes
SMBus		Yes	Yes	Yes
Expansion Interface		1 x full-size PCI Express Mini Card slot w/ mSATA supported 1 x USB, 1 x PCIe x1, 1 x LPC, 1 x SMBus (through ZIO connector)	1 x full-size PCI Express Mini Card slot w/ mSATA supported 1 x full-size PCI Express Mini Card slot	1 x full-size PCI Express Mini Card slot 1 x full-size PCI Express Mini Card slot (USB only) 1 x USB, 1 x PCIe x1, 1 x LPC, 1 x SMBus through a ZIO connector
Power Management		ACPI	ACPI	ACPI
Battery		Lithium	Lithium	Lithium
Operating Temperature		-20°C ~ +60°C (-4°F ~ +140°F)	-20°C ~ +70°C (-4°F ~ +158°F)	-20°C ~ +70°C (-4°F ~ +158°F)
Relative Humidity		10% to 95%, non-condensing	10% to 95%, non-condensing	10% to 95%, non-condensing
EMI Compliance		CE	CE	CE
Wide Temperature		N/A	N/A	N/A

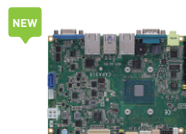


NEW



Features	Models	CAPA312	CAPA311
Form Factor		3.5" Capa	3.5" Capa
CPU Level		Intel® Pentium® N4200/ Celeron® N3350	Intel® Atom® x5-E3940
CPU Socket		Onboard	Onboard
Core Logic Chipset		SoC integrated	SoC integrated
Memory Type		DDR3L-1867	DDR3L-1867
Max. DRAM Capacity		8GB	8GB
Cache RAM Capacity		Integrated in CPU	Integrated in CPU
BIOS		AMI UEFI BIOS	AMI UEFI BIOS
Watchdog Timer		65536 levels, 1 ~ 65535 sec	65536 levels, 1 ~ 65535 sec
Onboard SSD		N/A	N/A
Onboard Digital I/O		8 channels in/out programmable	8 channels in/out programmable
I/O	SATA	1 x SATA-600	1 x SATA-600
	Serial	COM 1 RS-232/422/485	RS-232/422/485
		COM 2 RS-232/422/485	RS-232/422/485
		COM 3 RS-232	RS-232
		COM 4 RS-232	RS-232
	USB	2 x USB 2.0, 4 x USB 3.0	2 x USB 2.0, 4 x USB 3.0
SIM Card Slot		Yes	Yes
Display		1 x LVDS 1 x HDMI 1 x VGA (optional) 1 x eDP (optional)	1 x LVDS 1 x HDMI 1 x VGA (optional) 1 x eDP (optional)
Ethernet		2 x 10/100/1000 Mbps Ethernet	2 x 10/100/1000 Mbps Ethernet
Audio		HD Codec	HD Codec
Hardware Monitoring		Yes	Yes
SMBus		Yes	Yes
Expansion Interface		1 x full-size PCI Express Mini Card slot w/ mSATA supported 1 x full-size PCI Express Mini Card slot	1 x full-size PCI Express Mini Card slot w/ mSATA supported 1 x full-size PCI Express Mini Card slot
Power Management		ACPI	ACPI
Battery		Lithium	Lithium
Operating Temperature		-20°C ~ +60°C (-4°F ~ +140°F)	-20°C ~ +60°C (-4°F ~ +140°F)
Relative Humidity		10% to 95%, non-condensing	10% to 95%, non-condensing
EMI Compliance		CE	CE
Wide Temperature		N/A	N/A

Pico-ITX SBCs



Features/Models	PICO512	PICO511	PICO318
Form Factor	Pico-ITX	Pico-ITX	Pico-ITX
CPU Level	7th gen Intel® Core™ i7/i5/i3 & Celeron®	7th gen Intel® Core™ i7/i5/i3 & Celeron®	Intel® Pentium® N4200/Celeron® N3350
CPU Socket	Onboard	Onboard	Onboard
Core Logic Chipset	SoC integrated	SoC integrated	SoC integrated
Memory Type	DDR4-2133	DDR4-2133	DDR3L-1867
Max. DRAM Capacity	16GB	16GB	8GB
Cache RAM Capacity	Integrated in CPU	Integrated in CPU	Integrated in CPU
BIOS	AMI UEFI BIOS	AMI UEFI BIOS	AMI UEFI BIOS
Watchdog Timer	65536 levels, 1 ~ 65535 sec.	65536 levels, 1 ~ 65535 sec.	65536 levels, 1 ~ 65535 sec.
Onboard SSD	N/A	N/A	1 x M.2 Key B 22 x 42
Onboard Digital I/O	N/A	N/A	4 channels in/out programmable
I/O	SATA	1 x SATA-600	N/A
	Serial	N/A	RS-232/422/485
			RS-232
	USB	1 x USB 2.0	2 x USB 3.0, 2 x USB 2.0
SIM Card Slot	N/A	N/A	N/A
Display	1 x HDMI 1 x LVDS	1 x LVDS	1 x DisplayPort 1 x LVDS
Ethernet	1 x 10/100/1000 Mbps Ethernet	1 x 10/100/1000 Mbps Ethernet	2 x 10/100/1000 Mbps Ethernet
Audio	N/A	N/A	HD Codec
Hardware Monitoring	Yes	Yes	Yes
SMBus	Yes	Yes	Yes
Expansion Interface	1 x full-size PCI Express Mini Card slot with mSATA supported 1 x PCIe x1, 1 x LPC, 1 x DDI, 4 x USB 3.0, 1 x HD audio link (through expansion connector)	1 x full-size PCI Express Mini Card slot with mSATA supported 1 x half-size PCI Express Mini Card slot 1 x PCIe x1, 1 x LPC, 1 x DDI, 4 x USB 3.0, 1 x HD audio link (through expansion connector)	1 x half-size PCI Express Mini Card slot with mSATA supported
Power Management	ACPI	ACPI	ACPI
Battery	Lithium	Lithium	Lithium
Operating Temperature	-20°C ~ +70°C (-4°F ~ +158°F)	-20°C ~ +70°C (-4°F ~ +158°F)	-20°C ~ +60°C (-4°F ~ +140°F)
Relative Humidity	10% to 95%, non-condensing	10% to 95%, non-condensing	10% to 95%, non-condensing
EMI Compliance	CE	CE	CE
Wide Temperature	N/A	N/A	-20°C ~ +70°C (-4°F ~ +158°F)

NEW



Features	Models	PICO316	PICO313	PICO312
Form Factor		Pico-ITX	Pico-ITX	Pico-ITX
CPU Level		Intel® Pentium® N4200/Celeron® N3350	Intel® Pentium® N4200/Celeron® N3350	Intel® Pentium® N4200/Celeron® N3350
CPU Socket		Onboard	Onboard	Onboard
Core Logic Chipset		SoC integrated	SoC integrated	SoC integrated
Memory Type		DDR3L-1867	DDR3L-1867	DDR3L-1867
Max. DRAM Capacity		8GB	8GB	8GB
Cache RAM Capacity		Integrated in CPU	Integrated in CPU	Integrated in CPU
BIOS		AMI UEFI BIOS	AMI UEFI BIOS	AMI UEFI BIOS
Watchdog Timer		65536 levels, 1 ~ 65535 sec.	65536 levels, 1 ~ 65535 sec.	65536 levels, 1 ~ 65535 sec.
Onboard SSD		N/A	N/A	N/A
Onboard Digital I/O		N/A	N/A	N/A
I/O	SATA	1 x SATA-600	1 x SATA-600	1 x SATA-600
	Serial	COM 1	N/A	N/A
		COM 2	N/A	N/A
	USB	3 x USB 3.0, 2 x USB 2.0	1 x USB 2.0	1 x USB 2.0
SIM Card Slot		N/A	N/A	N/A
Display		1 x HDMI 1 x LVDS	1 x LVDS	1 x HDMI 1 x LVDS
Ethernet		1 x 10/100/1000 Mbps Ethernet	1 x 10/100/1000 Mbps Ethernet	1 x 10/100/1000 Mbps Ethernet
Audio		HD Codec	N/A	N/A
Hardware Monitoring		Yes	Yes	Yes
SMBus		Yes	Yes	Yes
Expansion Interface		1 x full-size PCI Express Mini Card slot with mSATA supported	1 x full-size PCI Express Mini Card slot with mSATA supported 1 x half-size PCI Express Mini Card slot 1 x PCIe x1, 1 x LPC, 1 x DDI, 4 x USB 3.0, 1 x HD audio link (through expansion connector)	1 x full-size PCI Express Mini Card slot with mSATA supported 1 x PCIe x1, 1 x LPC, 1 x DDI, 4 x USB 3.0, 1 x HD audio link (through expansion connector)
Power Management		ACPI	ACPI	ACPI
Battery		Lithium	Lithium	Lithium
Operating Temperature		-20°C ~ +60°C (-4°F ~ +140°F)	-20°C ~ +70°C (-4°F ~ +158°F)	-20°C ~ +70°C (-4°F ~ +158°F)
Relative Humidity		10% to 95%, non-condensing	10% to 95%, non-condensing	10% to 95%, non-condensing
EMI Compliance		CE	CE	CE
Wide Temperature		-20°C ~ +70°C (-4°F ~ +158°F)	N/A	N/A

Mini-ITX Motherboards

NEW



NEW



Features/Models		MANO311	MANO310
Form Factor		Mini-ITX	Mini-ITX
CPU Level		Intel® Celeron® N3350	Intel® Celeron® N3350 Intel® Pentium® N4200 (Optional)
CPU Socket		Onboard	Onboard
CPU FSB Frequency		N/A	N/A
Core Logic Chipset		SoC Integrated	SoC Integrated
Memory Type		DDR3L-1867	DDR3L-1867
Max. DRAM Capacity		8GB	8GB
Cache RAM Capacity		Integrated in CPU	Integrated in CPU
BIOS		AMI	AMI
Watchdog Timer		255 levels, 1 ~ 255 sec.	255 levels, 1 ~ 255 sec.
Onboard SSD		1 x mSATA 1 x SDXC slot	1 x M.2 Key B 22 x 42/60/80 1 x SDXC slot
Onboard Digital I/O		16-in/out	16-in/out
I/O	SATA	1 x SATA-600	1 x SATA-600
	COM 1	RS-232/422/485	RS-232/422/485
	COM 2	RS-232	RS-232/422/485
	COM 3	RS-232	RS-232
	COM 4	RS-232	RS-232
	COM 5	RS-232	RS-232
	COM 6	RS-232	RS-232
	USB	2 x USB 2.0, 4 x USB 3.0	2 x USB 2.0, 4 x USB 3.0
IrDA		N/A	N/A
SIM Card Slot		1 x SIM	1 x SIM
IEEE 1394a		N/A	N/A
Display		2 x HDMI 1 x LVDS	1 x VGA 1 x HDMI 1 x LVDS
Ethernet		2 x 10/100/1000 Mbps Ethernet	2 x 10/100/1000 Mbps Ethernet
Audio		HD Codec	HD Codec
Hardware Monitoring		Yes	Yes
SMBus		N/A	N/A
Expansion Interface		1 x PCI Express Mini Card slot 1 x PCIe x1	1 x PCI Express Mini Card slot 1 x PCIe x1
Power Management		ACPI	ACPI
Battery		Lithium	Lithium
Operating Temperature		0°C ~ +60°C (+32°F ~ +140°F)	0°C ~ +60°C (+32°F ~ +140°F)
Relative Humidity		10% to 95%, non-condensing	10% to 95%, non-condensing
EMI Compliance		CE	CE
Wide Temperature		N/A	N/A

ATX Motherboards

NEW

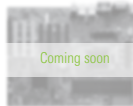


Features	Models	IMB502	IMB500	IMB501
Form Factor		ATX	ATX	ATX
CPU Level		7th/6th gen Intel® Core™ i7/i5/i3 & Celeron®	7th/6th gen Intel® Core™ i7/i5/i3 & Celeron®	7th/6th gen Intel® Core™ i7/i5/i3 & Celeron®
CPU Socket		LGA1151	LGA1151	LGA1151
CPU FSB Frequency		N/A	N/A	N/A
Core Logic Chipset		Intel® Q170	Intel® Q170	Intel® H110
Memory Type		DDR4-2133/1866	DDR4-2133/1866	DDR4-2133/1866
Max. DRAM Capacity		64GB	64GB	32GB
Cache RAM Capacity		Integrated in CPU	Integrated in CPU	Integrated in CPU
BIOS		AMI UEFI BIOS with OA 3.0 built	AMI UEFI BIOS with OA 3.0 built	AMI UEFI BIOS with OA 3.0 built
Watchdog Timer		255 levels, 1 ~ 255 sec.	255 levels, 1 ~ 255 sec.	255 levels, 1 ~ 255 sec.
Onboard SSD		N/A	N/A	N/A
Onboard Digital I/O		8 channels programmable	4-in & 4-out	4-in & 4-out
I/O	IDE	N/A	N/A	N/A
	SATA	5 x SATA-600	5 x SATA-600	3 x SATA-600
	FDD	N/A	N/A	N/A
	LPT	N/A	N/A	N/A
	Serial	COM 1	RS-232/422/485	RS-232/422/485
		COM 2	RS-232	RS-232/422/485
		COM 3	RS-232	RS-232
		COM 4	RS-232	RS-232
		COM 5	RS-232	RS-232
		COM 6	RS-232	RS-232
	USB	6 x USB 3.0, 7 x USB 2.0	8 x USB 2.0, 4 x USB 3.0	4 x USB 2.0, 4 x USB 3.0
	IrDA	N/A	N/A	N/A
	SIM Card Slot	N/A	1 x SIM	1 x SIM
	IEEE 1394a	N/A	N/A	N/A
	Display	1 x VGA	1 x VGA	1 x VGA
		1 x DVI-D	1 x DisplayPort	1 x DisplayPort
		1 x HDMI	1 x HDMI	1 x HDMI
Ethernet		2 x 10/100/1000 Mbps Ethernet	2 x 10/100/1000 Mbps Ethernet	2 x 10/100/1000 Mbps Ethernet
Audio		HD Codec	HD Codec	HD Codec
Hardware Monitoring		Yes	Yes	Yes
SMBus		N/A	N/A	N/A
Expansion Interface		1 x PCIe x16 slot 3 x PCIe x4 slot 3 x PCI slot	4 x PCI 2 x PCIe x4 1 x PCIe x16 1 x PCI Express Mini Card slot 1 x mSATA	4 x PCI 2 x PCIe x1 1 x PCIe x16 1 x PCI Express Mini Card slot 1 x mSATA
Power Management		ACPI	ACPI	ACPI
Battery		Lithium	Lithium	Lithium
Operating Temperature		0°C ~ +60°C (+32°F ~ +140°F)	0°C ~ +60°C (+32°F ~ +140°F)	0°C ~ +60°C (+32°F ~ +140°F)
Relative Humidity		10% to 95%, non-condensing	10% to 95%, non-condensing	10% to 95%, non-condensing
EMI Compliance		CE	CE	CE
Wide Temperature		N/A	N/A	N/A

ATX/Micro ATX Motherboards



NEW



Features/Models		IMB210	MMB501	
Form Factor		ATX	mATX	
CPU Level		Intel® Xeon® E3-V3, 4th gen Intel® Core™ i7/i5/i3 & Celeron®	7th/6th gen Intel® Core™ i7/i5/i3 & Celeron®	
CPU Socket		LGA1150	LGA1151	
CPU FSB Frequency		N/A	N/A	
Core Logic Chipset		Intel® C226	Intel® Q170	
Memory Type		DDR3-1333/1600	DDR4-2133/1866	
Max. DRAM Capacity		32GB	64GB	
Cache RAM Capacity		Integrated in CPU	Integrated in CPU	
BIOS		AMI UEFI BIOS with OA 3.0 built	AMI UEFI BIOS with OA 3.0 built	
Watchdog Timer		255 levels, 1 ~ 255 sec.	255 levels, 1 ~ 255 sec.	
Onboard SSD		1 x CFast™	N/A	
Onboard Digital I/O		4-in & 4-out	8 channels programmable	
I/O	IDE	N/A	N/A	
	SATA	5 x SATA-600	6 x SATA-600	
	FDD	N/A	N/A	
	LPT	N/A	N/A	
	Serial	COM 1	RS-232/422/485	RS-232/422/485
		COM 2	RS-232	RS-232/422/485
		COM 3	RS-232	RS-232
		COM 4	RS-232	RS-232
		COM 5	RS-232	RS-232
		COM 6	RS-232	RS-232
	USB	6 x USB 2.0, 4 x USB 3.0	5 x USB 2.0, 6 x USB 3.0	
	IrDA	N/A	N/A	
	SIM Card Slot	N/A	1 x SIM	
	IEEE 1394a	N/A	N/A	
	Display	1 x DVI-I	1 x DVI-I	
		1 x DisplayPort	1 x DisplayPort	
		1 x HDMI	1 x HDMI	
			1 x VGA	
Ethernet	2 x 10/100/1000 Mbps Ethernet	2 x 10/100/1000 Mbps Ethernet		
Audio	HD Codec	HD Codec		
Hardware Monitoring	Yes	Yes		
SMBus	Yes	Yes		
Expansion Interface	3 x PCI	1 x PCI		
	1 x PCIe x1 1 x PCIe x4 1 x PCIe x8	2 x PCIe x4 1 x PCIe x16 1 x PCI Express Mini Card slot		
Power Management	ACPI	ACPI		
Battery	Lithium	Lithium		
Operating Temperature	0°C ~ +60°C (+32°F ~ +140°F)	0°C ~ +60°C (+32°F ~ +140°F)		
Relative Humidity	10% to 95%, non-condensing	10% to 95%, non-condensing		
EMI Compliance	CE	CE		
Wide Temperature	N/A	N/A		

PICMG 1.3 Full-size System Host Board

NEW



Features	Models	SHB140
Form Factor		PICMG 1.3
CPU Level		6th/7th gen Intel® Core™ i7/i5/i3
CPU Socket		LGA1151
CPU FSB Frequency		N/A
Core Logic Chipset		Intel® Q170
Memory Type		DDR4-2133
Max. DRAM Capacity		32GB
Cache RAM Capacity		Integrated in CPU
BIOS		AMI UEFI BIOS with OA 3.0 built
Watchdog Timer		255 levels, 1 ~ 255 sec.
Onboard SSD		N/A
Onboard Digital I/O		N/A
	IDE	N/A
	SATA	6 x SATA-600
	FDD	N/A
	LPT	N/A
I/O	COM 1	RS-232/422/485
	COM 2	RS-232
	Serial COM 3	RS-232
	COM 4	RS-232
	COM 5	RS-232
	USB	10 x USB 2.0, 2 x USB 3.0
	IrDA	N/A
IEEE 1394a		N/A
Display		1 x DVI-I
Ethernet		2 x 10/100/1000 Mbps Ethernet
Audio		HD Codec
Hardware Monitoring		Yes
SMBus		Yes
Expansion Interface		1 x PCIe x16 1 x PCIe x4 or 4 x PCIe x1 4 x PCI
Power Management		ACPI
Battery		Lithium
Operating Temperature		0°C ~ +60°C (+32°F ~ +140°F)
Relative Humidity		10% to 95%, non-condensing
EMI Compliance		CE
Wide Temperature		N/A

Embedded Systems



Features/Models	eBOX100-312-FL	eBOX560-500-FL	eBOX560-512-FL
CPU Level	Intel® Celeron® N3350 2.4 GHz Intel® Pentium® N4200 2.5 GHz	Intel® Core™ i7-6600U 3.4 GHz/ i5-6300U 3.0 GHz/ Celeron® 3955U 2.0 GHz	Intel® Core™ i5-7300U 3.5 GHz/ Celeron® 3965U 2.2 GHz
System Memory	1 x 204-pin DDR3L-1600 SO-DIMM, up to 8GB	1 x 260-pin DDR4-2133 SO-DIMM, up to 16GB	1 x 260-pin DDR4-2133 SO-DIMM, up to 16GB
Chipset	SoC integrated	SoC integrated	SoC integrated
Serial	1 x RS-232	1 x RS-232/422/485 (COM 1) 1 x RS-232 (COM 2)	2 x RS-232/422/485
Display	2 x HDMI	2 x HDMI	2 x HDMI
Audio	N/A	N/A	N/A
PS/2	N/A	N/A	N/A
Ethernet	2 x 10/100/1000 Mbps Ethernet	2 x 10/100/1000 Mbps Ethernet	2 x 10/100/1000 Mbps Ethernet
USB	2 x USB 3.0 4 x USB 2.0	4 x USB 3.0	4 x USB 3.0
Expansion Interface	2 x full-size PCI Express Mini Card slot (USB + PCIe) 1 x SIM slot	1 x full-size PCI Express Mini Card slot (USB + PCIe)	1 x full-size PCI Express Mini Card slot (USB + PCIe)
Storage	1 x 2.5" HDD drive bay	1 x 2.5" HDD drive bay 1 x mSATA (optional)	1 x 2.5" HDD drive bay 1 x mSATA (optional)
Watchdog Timer	255 levels, 1 ~ 255sec.	255 levels, 1 ~ 255 sec.	255 levels, 1 ~ 255sec.
Power Supply	12 VDC	12 VDC	12 VDC
Operating Temperature	-5°C ~ +60°C (+23°F ~ +140°F) (with W.T. SSD/DRAM)	-10°C ~ +55°C (-14°F ~ +131°F) (with W.T. SSD/DRAM)	-10°C ~ +50°C (+14°F ~ +122°F) (with W.T. SSD/DRAM)
Wall Mount	Yes	Yes	Yes
DIN-rail	Yes	Yes	Yes
Dimensions (W x D x H)	216 x 137.65 x 38 mm (8.5" x 5.41" x 1.49")	141.5 x 106 x 55 mm (5.57" x 4.17" x 2.17")	141.6 x 106 x 54.85 mm (5.57" x 4.17" x 2.15")
Weight (net/gross)	1.15 kg (2.53 lb)/1.5 kg (3.3 lb)	0.8 kg (1.76 lb)/1.67 kg (3.68 lb)	0.8 kg (1.76 lb)/1.67 kg (3.68 lb)
Certificate	CE, FCC Class A	CE	CE, FCC Class A
EOS Support	Win 10 IoT, Linux	Win 10 IoT, WEBS, WES7	Win 10 IoT, Linux

NEW

Coming soon



Features/Models	eBOX565-312-FL	eBOX565-500-FL	eBOX625-853-FL
CPU Level	Intel® Celeron® N3350 2.4 GHz Intel® Pentium® N4200 2.5 GHz	Intel® Core™ i5-6300U 3.0 GHz/ i3-6100U 2.3 GHz/ Celeron® 3955U 2.0 GHz	Intel® Celeron® N3160 2.24 GHz
System Memory	1 x 204-pin DDR3L-1867 SO-DIMM, up to 8GB	1 x 260-pin DDR4-2133 SO-DIMM, up to 16GB	1 x 204-pin DDR3L-1333/1600 SO-DIMM, up to 8GB
Chipset	SoC integrated	SoC integrated	SoC integrated
Serial	2 x RS-232/422/485	1 x RS-232/422/485 (COM 1) 1 x RS-232 (COM 2)	1 x RS-232/422/485 (COM 1) 3 x RS-232 (COM 2 ~ 4)
Display	2 x HDMI	2 x HDMI	1 x VGA 1 x HDMI
Audio	N/A	N/A	Yes
PS/2	N/A	N/A	N/A
Ethernet	1 x 10/100/1000 Mbps Ethernet 1 x PSE, IEEE802.3AF	2 x 10/100/1000 Mbps Ethernet	2 x 10/100/1000 Mbps Ethernet
USB	4 x USB 3.0	4 x USB 3.0	3 x USB 3.0 1 x USB 2.0
Expansion Interface	1 x full-size PCI Express Mini Card slot (USB + PCIe)	1 x full-size PCI Express Mini Card slot (USB + PCIe)	2 x full-size PCI Express Mini Card slot (USB + PCIe) 1 x SIM slot
Storage	1 x 2.5" HDD drive bay 1 x mSATA (optional)	1 x 2.5" HDD drive bay 1 x mSATA (optional)	1 x 2.5" HDD drive bay 1 x mSATA (optional)
Watchdog Timer	255 levels, 1 ~ 255sec.	255 levels, 1 ~ 255 sec.	255 levels, 1 ~ 255 sec.
Power Supply	12 VDC	9 ~ 36 VDC	12 VDC
Operating Temperature	-20°C ~ +50°C (-4°F ~ +122°F) (with W.T. SSD/DRAM)	-20°C ~ +50°C (-4°F ~ +122°F) (with W.T. SSD/DRAM)	-20°C ~ +60°C (-4°F ~ +140°F) (with W.T. SSD/DRAM)
Wall Mount	Yes	Yes	Yes
DIN-rail	Yes	Yes	Yes
Dimensions (W x D x H)	141.5 x 106 x 76.2 mm (5.57" x 4.17" x 3")	141.5 x 106 x 76.2 mm (5.57" x 4.17" x 3")	200 x 120 x 46 mm (7.87" x 4.72" x 1.81")
Weight (net/gross)	1.3 kg (2.87 lb)/1.8 kg (3.97 lb)	1.3 kg (2.87 lb)/1.8 kg (3.97 lb)	1.2 kg (2.65 lb)/1.9 kg (4.19 lb)
Certificate	CE, FCC Class A	CE	CE
EOS Support	Win 10 IoT, Linux	Win 10 IoT, WEBS, Linux	Win 10 IoT, Linux

Embedded Systems



NEW



NEW



Features/Models	eBOX626-853-FL	eBOX625-311-FL	eBOX627-311-FL
CPU Level	Intel® Celeron® N3160 2.24 GHz	Intel® Atom® x7 E3950 2.0 GHz	Intel® Atom® x7 E3950 2.0 GHz
System Memory	1 x 204-pin DDR3L-1333/1600 DIMM, up to 8GB	1 x 204-pin DDR3L-1867 SO-DIMM, up to 8GB	1 x 204-pin DDR3L-1867 SO-DIMM, up to 8GB
Chipset	SoC integrated	SoC integrated	SoC integrated
Serial	1 x RS-232/422/485 (COM 1) 3 x RS-232 (COM 2 ~ 4)	2 x RS-232/422/485 2 x RS-232	2 x RS-232/422/485 (COM 1/2) 2 x RS-232 (COM 3/4)
Display	1 x VGA 1 x HDMI	1 x HDMI	1 x HDMI
Audio	Yes	N/A	N/A
PS/2	N/A	N/A	N/A
Ethernet	2 x 10/100/1000 Mbps Ethernet	2 x 10/100/1000 Mbps Ethernet	2 x 10/100/1000Mbps Ethernet
USB	3 x USB 3.0 1 x USB 2.0	4 x USB 3.0	4 x USB 3.0
Expansion Interface	2 x full-size PCI Express Mini Card slot 1 x SIM slot	2 x full-size PCI Express Mini Card slot (USB + PCIe) 1 x SIM slot	2 x full-size PCI Express Mini Card slot (USB + PCIe) 1 x SIM slot
Storage	1 x 2.5" HDD drive bay 1 x mSATA (optional)	1 x 2.5" HDD drive bay 1 x mSATA (optional)	1 x 2.5" HDD drive bay 1 x mSATA (optional)
Watchdog Timer	255 levels, 1 ~ 255 sec.	255 levels, 1 ~ 255sec.	255 levels, 1 ~ 255sec.
Power Supply	9 ~ 36 VDC	12 VDC	9 ~ 36 VDC
Operating Temperature	-20°C ~ +60°C (-4°F ~ +140°F) (with W.T. SSD/DRAM)	-40°C ~ +60°C (-40°F ~ +140°F) (with W.T. SSD/DRAM)	-40°C ~ +60°C (-40°F ~ +140°F) (with W.T. SSD/DRAM)
Wall Mount	Yes	Yes	Yes
DIN-rail	Yes	Yes	Yes
Dimensions (W x D x H)	200 x 120 x 46 mm (7.87" x 4.72" x 1.81")	200 x 120 x 46 mm (7.87" x 4.72" x 1.81")	200 x 120 x 65 mm (7.87" x 4.72" x 2.55")
Weight (net/gross)	1.1 kg (2.43 lb)/1.8 kg (3.97 lb)	1.1 kg (2.43 lb)/1.8 kg (3.97 lb)	1.5 kg (3.3 lb)/2.3 kg (5.07 lb)
Certificate	CE	CE, FCC Class A	CE, FCC Class A
EOS Support	Win 10 IoT, Linux	Win 10 IoT, Linux	Win 10 IoT, Linux



NEW



Features/Models	eBOX640-500-FL	eBOX671-514-FL	eBOX670-891-FL
CPU Level	LGA1151 7th/6th gen Intel® Core™ i7/i5/i3 & Celeron®	LGA1151 8th gen Intel® Core™ i7/i5/i3 & Celeron®	LGA1151 7th/6th gen Intel® Core™ i7/i5/i3 & Celeron®
System Memory	2 x 288-pin DDR4-2133 SO-DIMM, up to 32GB	2 x 260-pin DDR4-2133 SO-DIMM, up to 32 GB	2 x 260-pin DDR4-2133 SO-DIMM, up to 32GB
Chipset	Intel® H110	Intel® Q370	Intel® Q170
Serial	1 x RS-232/422/485 3 x RS-232	2 x RS-232/422/485	4 x RS-232/422/485 (COM 1 ~ 4)
Display	1 x DisplayPort 1 x HDMI 1 x VGA	2 x HDMI 1 x DVI	2 x HDMI 1 x DisplayPort
Audio	Yes	Yes	Yes
PS/2	N/A	N/A	N/A
Ethernet	2 x 10/100/1000 Mbps Ethernet	2 x 10/100/1000 Mbps Ethernet 4 x 10/100/1000 Mbps Power over Ethernet (PoE)	4 x 10/100/1000 Mbps Ethernet
USB	4 x USB 3.0 2 x USB 2.0	4 x USB 3.0 2 x USB 2.0	6 x USB 3.0 2 x USB 2.0
Expansion Interface	1 x full-size PCI Express Mini Card slot (USB + PCIe) 1 x SIM slot	2 x full-size PCI Express Mini Card slot (USB + PCIe) 1 x SIM slot	2 x full-size PCI Express Mini Card slot (USB + PCIe) 1 x SIM slot
Storage	2 x 2.5" HDD drive bay 1 x mSATA (optional)	2 x 2.5" HDD drive bay 1 x mSATA (optional)	2 x 2.5" HDD drive bay 1 x CFast™ 1 x mSATA (optional)
Watchdog Timer	255 levels, 1 ~ 255 sec.	255 levels, 1 ~ 255 sec.	255 levels, 1 ~ 255 sec.
Power Supply	10 ~ 30 VDC	24VDC	9 ~ 36 VDC
Operating Temperature	-10°C ~ +55°C (+14°F ~ +131°F) (with W.T. SSD/DRAM)	-20°C ~ +50°C (-4°F ~ +122°F) (with W.T. SSD/DRAM)	-40°C ~ +60°C (-40°F ~ +140°F) (with W.T. SSD/DRAM)
Wall Mount	Yes	Yes	Yes
DIN-rail	Yes	Yes	Yes
Dimensions (W x D x H)	182 x 235.7 x 82 mm (7.16" x 9.27" x 3.23")	TBC	280 x 190 x 76 mm (11.02" x 7.4" x 2.99")
Weight (net/gross)	3 kg (6.61 lb)/3.6 kg (7.94 lb)	TBC	3.8 kg (8.37 lb)/4.6 kg (10.14 lb)
Certificate	CE	CE, FCC Class A	CE
EOS Support	Win 10 IoT, WE8S, WES7, Linux	Win 10 IoT, Linux	Win 10 IoT, WE8S, WES7, Linux

Embedded Systems



Features/Models	eBOX700-891-FL	eBOX800-841-FL
CPU Level	LGA1151 7th/6th gen Intel® Core™ i7/i5/i3 & Celeron®	Intel® Atom® E3845 1.91 GHz
System Memory	2 x 260-pin DDR4-2133 SO-DIMM up to 32GB	1 x 204-pin DDR3L-1066/1333 SO-DIMM, up to 8GB
Chipset	Intel® H110	SoC integrated
Serial	2 x RS-232/422/485 (COM 1/2)	2 x RS-232/422/485 (COM 1/2), M12 type
Display	2 x HDMI	1 x VGA
Audio	Yes	N/A
PS/2	N/A	N/A
Ethernet	4 x 10/100/1000 Mbps Ethernet	2 x 10/100/1000 Mbps Ethernet, M12 type
USB	2 x USB 2.0 4 x USB 3.0	2 x USB 2.0, M12 type
Expansion Interface	2 x full-size PCI Express Mini Card slot (USB + PCIe) 1 x SIM slot	1 x full-size PCI Express Mini Card slot 1 x half-size PCI Express Mini Card slot (USB + PCIe)
Storage	2 x 2.5" HDD drive bay 1 x mSATA (optional)	1 x 2.5" HDD drive bay 1 x CFast™ 1 x mSATA (optional)
Watchdog Timer	255 levels, 1 ~ 255 sec.	255 levels, 1 ~ 255sec.
Power Supply	9 ~ 36 VDC	9 ~ 36 VDC, M12 type
Operating Temperature	-40°C ~ +50°C (-40°F ~ +122°F) (with W.T. SSD/DRAM)	-30°C ~ +60°C (-22°F ~ +140°F) (with W.T. SSD/DRAM)
Wall Mount	Yes	Yes
DIN-rail	Yes	N/A
Dimensions (W x D x H)	280 x 190 x 76 mm (11.02" x 7.4" x 2.99")	210 x 366.83 x 83 mm (8.27" x 14.44" x 3.27")
Weight (net/gross)	3.8 kg (8.37 lb)/4.6 kg (10.14 lb)	4.15 kg (9.14 lb)/4.8 kg (10.58 lb)
Certificate	CE, FCC Class A	CE
EOS Support	Win 10 IoT, Linux	Win 10 IoT, WEBS, WES7, Linux

Transportation Embedded Systems



NEW



NEW



Features/Models	tBOX810-838-FL	tBOX100-838-FL	tBOX324-894-FL
CPU Level	Intel® Atom® E3845 4C @ 1.91 GHz Intel® Atom® E3827 2C @ 1.75 GHz	Intel® Atom® E3845 4C @ 1.91 GHz	Intel® Core™ i7-7600U 2C @ 2.8 ~ 3.9 GHz Intel® Core™ i5-7300U 2C @ 2.6 ~ 3.5 GHz Intel® Core™ i3-7100U 2C @ 2.4 GHz Intel® Celeron® 3965U 2C @ 2.2 GHz
System Memory	DDR3L-1333 4GB DRAM	DDR3L-1333 4GB DRAM	DDR4-1866/2133 32GB DRAM
Chipset	N/A	N/A	N/A
Serial	2 x RS-232/422/485	1 x RS-232/422/485	3 x isolated RS-232/422/485 (4 x COM optional)
CANbus	N/A (optional by module)	N/A (optional by module)	1 x isolated CANbus
Display	1 x VGA	1 x VGA	1 x VGA 1 x DVI-I
Audio	N/A (optional by module)	5 x BNC (4 x Video-in/1 x Audio-in)	2 x Audio (Mic-in/Line-out)
Ethernet	2 x GbE LAN (M12 A-coded/RJ-45 optional)	2 x GbE LAN (M12 A-coded/RJ-45 optional)	4 x GbE LAN (M12 A-coded/RJ-45 optional)
USB	2 x USB 2.0	2 x USB 2.0	4 x USB 3.0
DIO	1 x 8-bit DB9 programmable DIO	N/A	1 x isolated DIO (4-in & 4-out)
Expansion Interface	2 x full-size PCI Express Mini Card slot 1 x SIM Card slot	1 x full-size PCI Express Mini Card slot 1 x SIM Card slot	3 x full-size PCI Express Mini Card slot 1 x SIM Card slot
Storage	1 x 2.5" SATA HDD/SSD 1 x mSATA	1 x 2.5" SATA HDD/SSD 1 x mSATA	2 x 2.5" SATA HDD/SSD 1 x CFast™
RAID function	N/A	N/A	Intel® RAID 0/1
Watchdog Timer	255 levels, 1 ~ 255 sec.	255 levels, 1 ~ 255 sec.	255 levels, 1 ~ 255 sec.
Power Supply	9 ~ 36 VDC Typical 12/24 VDC	9 ~ 36 VDC Typical 12/24 VDC	9 ~ 36 VDC, typical: 12/24 VDC 14 ~ 32 VDC, typical: 24 VDC 77 ~ 137.5 VDC, typical: 110 VDC
Operating Temperature	-40°C ~ +70°C (-40°F ~ +158°F) with W.T. SSD	-40°C ~ +70°C (-40°F ~ +158°F) with W.T. SSD	-40°C ~ +70°C (-40°F ~ +158°F) with W.T. SSD
Non-operating Temperature	-40°C ~ +85°C (-40°F ~ +185°F)	-40°C ~ +85°C (-40°F ~ +185°F)	-40°C ~ +85°C (-40°F ~ +185°F)
Wall Mount	Yes	Yes	Yes
DIN-rail	Yes	Yes	Yes
Dimensions (W x D x H)	163.8 x 108 x 44 mm (6.44" x 4.25" x 1.73")	163.8 x 108 x 56.3 mm (6.44" x 4.25" x 2.22")	288.5 x 211.3 x 85.75 mm (11.36" x 8.32" x 3.38")
Weight (net/gross)	0.77 kg (1.69 lb)/1.25 kg (2.76 lb)	0.77 kg (1.69 lb)/1.40 kg (3.09 lb)	5.15 kg (11.35 lb)
Certificates	CE (Class A), EN 50155, EN 50121, E-Mark, ISO 7637-2, IEC 60945 and DNV 2.4 certified	CE (Class A) certified, E-Mark, ISO 7637-2 EN 50155, EN 50121, DNV 2.4 and IEC 60945 compliance	CE (Class A), EN 50155, EN 50121, E-Mark, ISO 7637-2, IEC 60945 certified and DNV 2.4 compliance
EOS Support	Windows® 10, WE8S, WES 7, Linux, VxWorks 7	Windows® 10, WE8S, WES 7, Linux, VxWorks 7	Windows® 10, Linux

Transportation Embedded Systems

NEW



NEW



NEW



Features/Models	tBOX300-510-FL	tBOX500-510-FL	UST500-517-FL
CPU Level	Intel® Core™ i7-7600U 2C @ 2.8 ~ 3.9 GHz Intel® Core™ i5-7300U 2C @ 2.6 ~ 3.5 GHz Intel® Core™ i3-7100U 2C @ 2.4 GHz Intel® Celeron® 3965U 2C @ 2.2 GHz	Intel® Core™ i7-7600U 2C @ 2.8 ~ 3.9 GHz Intel® Core™ i5-7300U 2C @ 2.6 ~ 3.5 GHz Intel® Core™ i3-7100U 2C @ 2.4 GHz Intel® Celeron® 3965U 2C @ 2.2 GHz	7th gen Intel® Core™, 35 ~ 65W 6th gen Intel® Core™, 35W Intel® Pentium® G4400TE 2.4 GHz, 35W Intel® Celeron® G3900TE 2.3 GHz, 35W
System Memory	DDR4-1866/2133 32GB DRAM	DDR4-1866/2133 32GB DRAM	DDR4-2133/2400 32GB DRAM
Chipset	N/A	N/A	Q170
Serial	1 x RS-232/422/485	1 x RS-232/422/485	2 x RS-232/422/485
CANbus	N/A	N/A	N/A
Display	1 X DVI-I	1 X DVI-I	1 x DVI-D 1 x VGA 1 x HDMI
Audio	2 x Audio (Mic-in/Line-out)	2 x Audio (Mic-in/Line-out)	2 x Audio (Mic-in/Line-out)
Ethernet	1 x RJ-45 GbE LAN	1 x RJ-45 GbE LAN	8 x RJ-45 (E-Mark) 16 x RJ-45 (E-Mark) 8 x M12 A-coded (EN 50155)
USB	4 x USB 3.0	4 x USB 3.0	4 x USB 3.0
DIO	N/A	N/A	1 x 6-in/2-out DIO
Expansion Interface	3 x full-size PCI Express Mini Card slot 2 x SIM Card slot	3 x full-size PCI Express Mini Card slot 2 x SIM Card slot	2 x full-size & 2 half-size PCI Express Mini Card slot 2 x external accessible SIM Card slot
Storage	4 x 2.5" SATA HDD/SSD 1 x mSATA	2 x 2.5" SATA HDD/SSD 1 x mSATA	2 x 2.5" 15 mm SATA HDD/SSD (optional 4 x) 1 x mSATA
RAID Function	Marvell HW RAID 0/1/10	Intel® RAID 0/1	Intel® RAID 0/1/5/10
Watchdog Timer	255 levels, 1 ~ 255 sec.	255 levels, 1 ~ 255 sec.	255 levels, 1 ~ 255 sec.
Power Supply	9 ~ 36VDC, typical: 12/24VDC 16.8 ~ 137.5 VDC, typical: 24/48/72/96/110 VDC	9 ~ 36VDC, typical: 12/24VDC 16.8 ~ 137.5 VDC, typical: 24/48/72/96/110 VDC	9 ~ 36VDC
Operating Temperature	-40°C ~ +70°C (-40°F ~ +158°F) with W.T. SSD	-40°C ~ +70°C (-40°F ~ +158°F) with W.T. SSD	-40°C ~ +70°C (-40°F ~ +158°F) with W.T. SSD
Non-operating Temperature	-40°C ~ +85°C (-40°F ~ +185°F)	-40°C ~ +85°C (-40°F ~ +185°F)	-40°C ~ +85°C (-40°F ~ +185°F)
Wall Mount	Yes	Yes	Yes
DIN-rail	N/A	N/A	N/A
Dimensions (W x D x H)	371 x 210.2 x 105.33 mm (14.61" x 8.28" x 4.15")/ 113.33 mm (4.46") (with wall mount)	321 x 210.2 x 73.3 mm (12.64" x 8.28" x 2.89")	280 x 210.5 x 83.7 mm (11.02" x 8.29" x 3.3") with 2 SATA 280 x 210.5 x 99.2 mm (11.02" x 8.29" x 3.9") with 4 SATA
Weight (net/gross)	4.5 kg (9.92 lb)/6 kg (13.23 lb)	3.5 kg (7.72 lb)/4.5 kg (11.02 lb)	TBC
Certificates	CE (Class A), FCC, EN 50155, EN 50121, E-Mark, ISO 7637-2 and DNV 2.4, IEC 60945 compliance, EN 45545-2 certified	CE (Class A), FCC, EN 50155, EN 50121, E-Mark, ISO 7637-2 and DNV 2.4, IEC 60945 compliance, EN 45545-2 certified	CE (Class A), FCC certified, EN 50155, EN 50121, E-Mark, ISO 7637-2 compliance
EOS Support	Windows® 10, Linux	Windows® 10, Linux	Windows® 7/8/10, Linux *Windows® 7/8 is only available at Skylake processor (6th gen)

x86-based DIN-rail Embedded Systems



Features\Models	ICO120-83D	ICO320-83C	ICO100-839	ICO300-83B
CPU Level	Intel® Celeron® N3350 1.1 GHz	Intel® Celeron® N3350 1.1 GHz Intel® Celeron® N4200 1.1 GHz	Intel® Celeron® N3350 1.1 GHz	Intel® Celeron® N3350 1.1 GHz Intel® Celeron® N4200 1.1 GHz
System Memory	1 x DDR3L-1866 SO-DIMM up to 8GB	1 x DDR3L SO-DIMM slot, up to 8GB	1 x DDR3L-1866 SODIMM up to 8GB	1 x DDR3L-1866 SODIMM up to 8GB
Chipset	SoC integrated	SoC integrated	SoC integrated	SoC integrated
Serial	1 x RS-232/422/485	1 x RS-232/422/485	2 x RS-232/422/485 (COM 1/2)	4 x isolated RS-232/422/485 (N3350/N4200) 2 x isolated RS-232/422/485 (N3350) 4 x RS-232/422/485 (N3350)
CANbus	CANbus 2.0A/B	CANbus 2.0A/B	N/A	N/A
Display	1 x VGA	1 x VGA	1 x VGA	1 x VGA or HDMI (optional)
Ethernet	2 x 10/100/1000 Mbps Ethernet	4 x 10/100/1000 Mbps Ethernet	1 x 10/100/1000 Mbps Ethernet	2 x 10/100/1000 Mbps Ethernet
PoE	N/A	4 x PoE	N/A	N/A
DIO	1 x DI/DO (8-bit programmable)	1 x DIO (8-bit programming)	1 x DIO (8-bit programming)	1 x DIO (8-bit Programming)
USB	2 x USB 3.0	2 x USB 3.0	2 x USB 2.0	4 x USB 3.0
Storage	1 x half-size mSATA or 1 x eMMC flash on board(optional)	1 x mSATA 1 x 2.5" SATA drive	1 x mSATA or 1 x eMMC flash on board (optional)	1 x mSATA 1 x 2.5" SATA drive
Watchdog Timer	1 WDT One step is 1 sec./min., 255 levels	1 WDT One step is 1 sec./min., 255 levels	1 WDT One step is 1 sec./min., 255 levels	1 WDT One step is 1 sec./min., 255 levels
Power Input	12 ~ 24 VDC (terminal block)	12 ~ 24VDC (terminal block)	12 ~ 24 VDC (terminal block)	12 ~ 24 VDC (terminal block)
Operating Temperature	-20°C ~ +70°C (-4°F ~ +158°F) Optional for -40°C ~ +70°C (-40°F ~ +158°F)	-20°C ~ +70°C (-4°F ~ +158°F) Optional -40°C ~ +70°C (-40°F ~ +158°F)	-20°C ~ +70°C (-4°F ~ +158°F) Optional -40°C ~ +70°C (-40°F ~ +158°F)	-20°C ~ +70°C (-4°F ~ +158°F) Optional -40°C ~ +70°C (-40°F ~ +158°F)
Dimensions (W x D x H)	31 x 100 x 125 mm (1.22" x 3.93" x 4.92")	79 x 110 x 155 mm (3.11" x 4.33" x 6.1")	31 x 100 x 125 mm (1.22" x 3.93" x 4.92")	48 x 110 x 155 mm (1.88" x 4.33" x 6.1")
Weight (net/gross)	0.3 kg (0.67 lb)/0.46 kg (1 lb)	TBC	TBC	1.0 kg (2.2 lb)/1.50 kg (3.3 lb)
Certificate	CE, FCC	CE, FCC	CE, FCC	CE, FCC
Compliance	IEC 60068	IEC 60068	IEC 60068	IEC 60068
EOS Support	Windows® 10 IoT, Linux support package	Windows® 10 IoT, Linux support package	Windows® 10 IoT, Linux support package	Windows® 10, Linux support package
AXView Monitoring Software Package Supported	Yes	N/A	Yes	N/A

x86-based DIN-rail Embedded Systems



Features/Models	ICO300	ICO310	rBOX510-6COM(ATEX/CID2)
CPU Level	Intel® Atom® E3815 1.46 GHz Intel® Atom® E3827 1.75 GHz	Intel® Celeron® N3060 1.6 GHz Intel® Celeron® N3160 1.6 GHz	Intel® Atom® E3827 1.75 GHz
System Memory	1 x DDR3L-1067/1333 SO-DIMM, up to 4GB (E3815) or up to 8GB (E3827)	1 x DDR3L-1600 SODIMM up to 8GB	4 GB DDR3L Onboard
Chipset	SoC integrated	SoC integrated	SoC integrated
Serial	4 x RS-232/422/485 (COM 1 ~ 4)	2 x RS-232/422/485 (COM 1/2)	2 x RS-232/422/485 (COM 1 ~ 2) 4 x isolated RS-232/422/485 (COM 3 ~ 6)
CANbus	N/A	N/A	N/A
Display	1 x VGA	1 x VGA	1 x VGA
Ethernet	2 x 10/100/1000 Mbps Ethernet	1 x 10/100/1000 Mbps Ethernet	2 x 10/100/1000 Mbps Ethernet
PoE	N/A	1 x PD (and also can support 10/100/1000 Ethernet)	N/A
DIO	1 x DIO (8-bit Programming)	1 x DIO (Programming)	1 x isolated DIO (8-in/8-out)
USB	2 x USB 2.0	2 x USB 3.0 2 x USB 2.0	1 x USB 3.0 1 x USB 2.0
Storage	1 x CompactFlash™ (or mSATA) 1 x 2.5" SATA SSD/HDD drive bay	1 x mSATA 1 x 2.5" SATA SSD/HDD drive bay	1 x CompactFlash™ 1 x 2.5" SATA SSD/HDD drive bay or 1 x mSATA slot
Watchdog Timer	1 WDT One step is 1 sec, 255 levels	1 WDT One step is 1 sec./min., 255 levels	2 WDT WDT 1: 1 sec, 255 levels WDT 2: 250 ms, 255 levels
Power Input	12 ~ 24 VDC (terminal block)	12 ~ 24 VDC (terminal block)	1 power path 12 ~ 48 VDC (terminal block)
Operating Temperature	-20°C ~ +70°C (-4°F ~ +158°F) Optional -40°C ~ +70°C (-40°F ~ +158°F)	-20°C ~ +60°C (-4°F ~ +140°F)	-40°C ~ +70°C (-40°F ~ +158°F)
Dimensions (W x D x H)	48 x 110 x 155 mm (1.88" x 4.33" x 6.1")	48 x 110 x 155 mm (1.88" x 4.33" x 6.1")	85.6 x 110 x 155 mm (3.37" x 4.33" x 6.1")
Weight (net/gross)	1.0 kg (2.2 lb)/1.50 kg (3.3 lb)	1.0 kg (2.2 lb)/1.50 kg (3.3 lb)	1.5 kg (3.3 lb)/1.88 kg (4.14 lb)
Certificate	CE, FCC	CE, FCC	Heavy industrial CE, FCC Part 18, UL/CUL60950-1, ATEX & C1D2 Anti-Explosive Certification
Compliance	IEC 60068	IEC 60068	IEC 60068
EOS Support	Windows® 7 Embedded, Windows® 8 Embedded, Windows® 10 IoT Core Pro, Linux support package	Windows® 7 Embedded, Windows® 8 Embedded, Windows® 8, Windows® 10, Linux support package	Windows® 7 Embedded, Linux support package, Windows® 8 Embedded
AXView Monitoring Software Package Supported	N/A	Yes	Yes

ARM-based DIN-rail Embedded Systems



Features/Models	IRU151	IRU152	IRU131
CPU Level	NXP i.MX 6UltraLite, ARM® Cortex®-A7, 528 MHz	NXP i.MX 6UltraLite, ARM® Cortex®-A7, 528 MHz	NXP i.MX 6UltraLite, ARM® Cortex®-A7, 528 MHz
System Memory	1 x DDR3 512 MB onboard	1 x DDR3 512 MB onboard	1 x DDR3 512 MB onboard
Wireless	2 x Mini Card slot 1 x SIM Card socket	2 x Mini Card slot 1 x SIM Card socket	2 x Mini Card slot 1 x SIM Card socket
Serial	1 x RS-232/422/485 (Console/COM switch)	1 x RS-232/422/485 (Console/COM switch)	1 x RS-232/422/485 (Console/COM switch)
DIO	1 x DIO (2-in/2-out) (Isolation 2KV)	1 x DIO (2-in/2-out) (Isolation 2KV)	1 x DIO (2-in/2-out) (Isolation 2KV)
Analog Input	4 AI Channels (16-bit, 100 S/s)	4 AI Channels (16-bit, 250 kS/s)	N/A
Ethernet	2 x 10/100 Mbps (Isolation 1.5 KV)	2 x 10/100 Mbps (Isolation 1.5 KV)	2 x 10/100 Mbps (Isolation 1.5 KV)
USB	1 x USB	1 x USB	1 x USB
Device ID	ID setting 0 ~ 255	ID setting 0 ~ 255	ID setting 0 ~ 255
Storage	1 x eMMC 8GB flash onboard	1 x eMMC 8GB flash onboard	1 x eMMC 8GB flash onboard
Watchdog Timer	0.5 to 128 sec. (time resolution of 0.5 sec.)	0.5 to 128 sec. (time resolution of 0.5 sec.)	0.5 to 128 sec. (time resolution of 0.5 sec.)
Power Supply	9 ~ 48 VDC	9 ~ 48 VDC	9 ~ 48 VDC
Operating Temperature	-40°C ~ +70°C (-40°F ~ +158°F)	-40°C ~ +70°C (-40°F ~ +158°F)	-40°C ~ +70°C (-40°F ~ +158°F)
DIN-rail	Yes	Yes	Yes
Dimensions (W x D x H)	55 x 82 x 108 mm (2.16" x 3.23" x 4.25")	55 x 82 x 108 mm (2.16" x 3.23" x 4.25")	55 x 82 x 108 mm (2.16" x 3.23" x 4.25")
Weight (net/gross)	0.32 kg (0.71 lb)/0.53 kg (1.17 lb)	0.32 kg (0.71 lb)/0.53 kg (1.17 lb)	0.32 kg (0.71 lb)/0.53 kg (1.17 lb)
Certificate	Heavy industrial CE, FCC Part 15	Heavy industrial CE, FCC Part 15	Heavy industrial CE, FCC Part 15
EOS Support	Yocto (Linux Kernel : 3.14.52)	Yocto (Linux Kernel : 3.14.52)	Yocto (Linux Kernel : 3.14.52)

ARM-based DIN-rail Embedded Systems



Features/Models	IFB112	IFB122	IFB125
CPU Level	NXP i.MX 6UltraLite, ARM® Cortex®-A7, 528 MHz	NXP i.MX 6UltraLite, ARM® Cortex®-A7, 528 MHz	NXP i.MX 6UltraLite, ARM® Cortex®-A7, 528 MHz
System Memory	1 x DDR3 256 MB onboard	1 x DDR3 256 MB onboard	1 x DDR3 256 MB onboard
Serial	1 x RS-232/422/485 interface select by software	2 x RS-232/422/485 interface select by software	1 x RS-232/422/485 interface select by software
CANbus	1 x CANbus	N/A	N/A
Console Port	Yes	Yes	Yes
Ethernet	2 x 10/100 Mbps (Isolation 1.5 KV)	2 x 10/100 Mbps (Isolation 1.5 KV)	2 x 10/100 Mbps (Isolation 1.5 KV)
Wireless	1 x Mini Card slot (supports USB interface) 1 x SIM card socket	1 x Mini Card slot (supports USB interface) 1 x SIM card socket	1 x Mini Card slot (supports USB interface) 1 x SIM card socket
DIO	1 x DIO (2-in/1-out)	1 x DIO (2-in/1-out)	1 x DIO (2-in/1-out)
USB	1 x USB 2.0	1 x USB 2.0	1 x USB 2.0
Expansion Interface	N/A	N/A	1 x I²C (with 3.3V @ 0.5A powered) 1 x SPI (with 3.3V @ 0.5A powered) (DB9 connector)
Storage	1 x eMMC 4GB flash onboard	1 x eMMC 4GB onboard	1 x eMMC 8GB flash onboard
Watchdog Timer	0.5 to 128 sec. (time resolution of 0.5 sec.)	0.5 to 128 sec. (time resolution of 0.5 sec.)	0.5 to 128 sec. (time resolution of 0.5 sec.)
Power Input	9 ~ 48 VDC	9 ~ 48 VDC	9 ~ 48 VDC
Operating Temperature	-40°C ~ +70°C (-40°F ~ +158°F)	-40°C ~ +70°C (-40°F ~ +158°F)	-40°C ~ +70°C (-40°F ~ +158°F)
Dimensions (W x D x H)	31 x 100 x 125 mm (1.22" x 3.94" x 4.92")	31 x 100 x 125 mm (1.22" x 3.94" x 4.92")	31 x 100 x 125 mm (1.22" x 3.94" x 4.92")
Weight (net/gross)	0.3 kg (0.66 lb)/0.44 kg (0.97 lb)	0.3 kg (0.66 lb)/0.44 kg (0.97 lb)	0.3 kg (0.66 lb)/0.44 kg (0.97 lb)
Certificate	Heavy industrial CE, FCC Part 15	Heavy industrial CE, FCC Part 15	Heavy industrial CE, FCC Part 15
OS Support	Yocto (Linux Kernel : 3.14.52)	Yocto (Linux Kernel : 3.14.52)	Yocto (Linux Kernel : 3.14.52)

Digital Signage Solutions



Features/Models	DSB550-880	DSB320-842
CPU Level	4th gen Intel® Core™ i5/i3 processor	Intel® Celeron® processor J1900
Chipset	Intel® QM87	SoC Integrated
System Memory	1 x 204-pin DDR3-1066/1333/1600 SO-DIMM, up to 8GB	1 x 204-pin DDR3L SO-DIMM up to 8GB
Pluggable Engine Box	N/A	N/A
Intel® AMT	AMT 9.0	N/A
I/O	1 x 10/100/1000 Mbps Ethernet 2 x USB 3.0 2 x USB 2.0 1 x DisplayPort 2 x HDMI 1 x Audio (Mic-in/Line-out) 1 x Mini PCI Express Card slot 1 x RS-232	1 x 10/100/1000 Mbps Ethernet 4 x USB 2.0 1 x DIO (DB9 connector) 1 x HDMI 1 x VGA 1 x RS-232 (COM 1) 1 x Power on/off button 1 x Audio (Mic-in/Line-out)
Storage	1 x 2.5" SATA HDD	1 x mSATA
Touchscreen	N/A	N/A
Power Supply	19 VDC with AC-DC adapter	12 VDC, with AC-DC Adapter
Dimensions (W x D x H)	210 x 165 x 35 mm (8.26" x 6.49" x 1.38")	180 x 128 x 34.7 mm (7.11" x 5.04" x 1.37")
Weight (net/gross)	1.9 kg (4.2lb)/ 2.9 kg (6.4 lb)	1 kg (2.21 lb)/ 1.5 kg (3.3 lb)
Operating Temperature	0°C ~ +40°C (+32°F ~ +104°F)	0°C ~ +40°C (+32°F ~ +104°F)
Certificate	CE	CE

Digital Signage Solutions

NEW

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Features/Models	OPS700-520	OPS500-520-H
CPU Level	LGA1151 socket 8th gen Intel® Core™ i7/i5/i3 and Celeron® processor, 35WTDP	LGA1151 socket 8th gen Intel® Core™ i7/i5/i3 and Celeron® processor, 35W TDP
Chipset	Intel® Q370	Intel® H310
System Memory	2 x 260-pin DDR4-2400 SO-DIMM, up to 32GB	2 x 260-pin DDR4-2400 SO-DIMM, up to 32GB
Pluggable Engine Box	Yes (OPS+ compliance)	Yes (OPS compliance)
Intel® AMT	AMT 12.0	N/A
I/O	2 x USB 2.0 2 x USB 3.1 Type A 1 x RS-232 (COM 2) 1 x 10/100/1000 Mbps Ethernet (Intel® i219LM) 1 x HDMI with 4K resolution 1 x Power on/off button 1 x Reset button 1 x DisplayPort (4K @ 60Hz via OPS JAE interconnector) 1 x HDMI 2.0 (4K @ 60Hz via OPS JAE interconnector) 2 x USB 2.0 (via OPS JAE interconnector) 1 x USB 3.0 (via OPS JAE interconnector) 1 x Audio (Line-out, via OPS JAE interconnector) 1 x UART (TX/RX, via OPS JAE interconnector) (COM 1) 1 x DisplayPort (4K @ 60Hz via OPS HRS interconnector) 1 x PCI Express x4 (via OPS HRS interconnector) 1 x 12 VDC power input by adapter option	2 x USB 2.0 2 x USB 3.1 Type A 1 x 10/100/1000 Mbps Ethernet (Intel® i219LM) 1 x HDMI with 4K resolution 1 x Power on/off button 1 x Reset button 1 x Audio (Line-out) 1 x Audio (Mic-in) 1 x RS-232 (COM 2) 1 x DisplayPort (4K @ 60Hz via OPS JAE interconnector) 1 x HDMI 2.0 (4K @ 60Hz via OPS JAE interconnector) 2 x USB 2.0 (via OPS JAE interconnector) 1 x USB 3.0 (via OPS JAE interconnector) 1 x Audio (Line-out, via OPS JAE interconnector) 1 x UART (TX/RX, via OPS JAE interconnector) (COM 1) 1 x 12 VDC power input by adapter option
Storage	1 x M.2 2280 SATA/PCIe for storage	1 x M.2 2280 SATA/PCIe for storage
Touchscreen	N/A	N/A
Power Supply	12 ~ 19 VDC	12 ~ 19 VDC
Dimensions (W x D x H)	200 x 119 x 30 mm (7.87" x 4.68" x 1.18")	200 x 119 x 30 mm (7.87" x 4.68" x 1.18")
Weight (net/gross)	1 kg (2.21 lb)/1.5 kg (3.3 lb)	1 kg (2.21 lb)/1.5 kg (3.3 lb)
Operating Temperature	0°C ~ +45°C (+32°F ~ +113°F) (with airflow 1.2m/s)	Environmental 0°C ~ +45°C (+32°F ~ +113°F) (with airflow 1.2m/s)
Certificate	CE, FCC Class A	CE, FCC Class A



Features/Models	OPS500-501	OPS500-501-H	OPS300-310
CPU Level	6th/7th gen Intel® Core™ i7/i5/i3 processor	6th/7th gen Intel® Core™ i7/i5/i3 processor	Intel® Celeron® processor N3350
Chipset	Intel® Q170	Intel® H110	SoC Integrated
System Memory	1 x 260-pin DDR4-2133 SO-DIMM up to 16GB	1 x 260-pin DDR4-2133 SO-DIMM up to 16GB	1 x 204-pin DDR3L-1600 SO-DIMM up to 8GB
Pluggable Engine Box	Yes (OPS compliance)	Yes (OPS compliance)	Yes (OPS compliance)
LCD Size	N/A	N/A	N/A
Intel® AMT	AMT 11.0	N/A	N/A
I/O	2 x USB 3.0 1 x USB 2.0 1 x 10/100/1000 Mbps Ethernet 1 x HDMI with 4K resolution 1 x RS-232 (COM 2) 1 x Audio (Mic-in/Line-out) 1 x JAE TX-25A	2 x USB 3.0 1 x USB 2.0 1 x 10/100/1000 Mbps Ethernet 1 x HDMI with 4K resolution 1 x RS-232 (COM 2) 1 x Audio (Mic-in/Line-out) 1 x JAE TX-25A	2 x USB 2.0 1 x USB 3.0 1 x 10/100/1000 Mbps Ethernet 1 x VGA 1 x Audio (Mic-in/Line-out) 1 x JAE TX-25A
Storage	1 x 2.5" SATA HDD tray 1 x mSATA	1 x 2.5" SATA HDD tray 1 x mSATA	1 x 2.5" SATA HDD tray 1 x mSATA
Touchscreen	N/A	N/A	N/A
Power Supply	12 ~ 19 VDC	12 ~ 19 VDC	12 ~ 19 VDC
Dimensions (W x D x H)	200 x 119 x 30 mm (7.87" x 4.68" x 1.18")	200 x 119 x 30 mm (7.87" x 4.68" x 1.18")	200 x 119 x 30 mm (7.87" x 4.68" x 1.18")
Weight (net/gross)	1 kg (2.2 lb)/1.5 kg (3.3 lb)	1 kg (2.2 lb)/1.5 kg (3.3 lb)	1 kg (2.2 lb)/1.5 kg (3.3 lb)
Operating Temperature	0°C ~ +45°C (+32°F ~ +113°F)	0°C ~ +45°C (+32°F ~ +113°F)	0°C ~ +45°C (+32°F ~ +113°F)
Certificate	CE	CE	CE, FCC Class A

Embedded MicroBoxes

Model (W x D x H)	Accessory Specifications			SBC Selections	
	Drive Bay	Expansion Slot	Power Supply	3.5" Capa	Mini ITX
 AX60630 259.5 x 186 x 58.5 mm	1 x 2.5"	N/A	12V, 60W		MAN0300 MAN0842
 AX60650 202 x 320 x 73 mm	1 x 2.5"	N/A	PSU 150W		MAN0500 MAN0881 MAN0882 MAN0873
 ECM100 265 x 250 x 71.5 mm	2 x 2.5"	N/A	ATX 250W Input: AC 115 ~ 230V Output: +3.3V @ 10A, +5V @ 10A, +12V @ 8.5A, -12V @ 0.4A, +5VSB @ 1A, +5VSB @ 2.5A		MAN0500
 ECM300 335 x 250 x 88 mm	1 x 3.5"	2 x PCI or 2 x PCIe	ATX 250W Input: AC 115 ~ 230V Output: +3.3V @ 10A, +5V @ 10A, +12V @ 8.5A, -12V @ 0.4A, +5VSB @ 1A, +5VSB @ 2.5A		MAN0500

Industrial Barebone Systems

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Features/Models	IPC962-511-FL	IPC964-512-FL
CPU Level	7th/6th gen Intel® Core™ i7/i5/i3 & Celeron® up to 35W	7th/6th gen Intel® Core™ i7/i5/i3 & Celeron® up to 35W
System Memory	2 x DDR4-2133 un-buffered SO-DIMM max. up to 32GB	2 x DDR4-2133 un-buffered SO-DIMM max. up to 32GB
Chipset	Intel® H110	Intel® Q170
Extension System I/O Module	1. 4 x RS-232/422/485 module (default RS-232) or 2. 2 x RS-232/422/485 w/ isolated 2.5KVDC protection module and 4-in/4-out isolated DIO or 3. 8-in/8-out isolated DIO with interrupt module	1. 4 x RS-232/422/485 module (default RS-232) or 2. 2 x RS-232/422/485 w/ isolated 2.5KVDC protection module and 4-in/4-out isolated DIO or 3. 8-in/8-out isolated DIO with interrupt module
Display	1 x HDMI 1 x VGA	1 x HDMI 1 x VGA
Audio	1 x Mic-in 1 x Line-out	1 x Mic-in 1 x Line-out
PS/2	N/A	N/A
Ethernet	2 x 10/100/1000 Mbps Ethernet	2 x 10/100/1000 Mbps Ethernet
USB	4 x USB 3.0	4 x USB 3.0
Expansion Interface	1 PCIe x16 + 1 PCIe x4 or 1 PCIe x16 + 1 PCI or 2 PCI 1 PCI Express Mini Card slot (USB 2.0 interface only)	1 PCIe x16 + 3 PCIe x4 or 1 PCIe x16 + 1 PCIe x4 + 2 PCI 1 PCI Express Mini Card slot
Storage	2 x 2.5" swappable HDD	2 x 2.5" swappable HDD
Watchdog Timer	255 levels, 1 ~ 255 sec.	255 levels, 1 ~ 255 sec.
Power Input	24VDC (uMin=19V/uMax=30V)	24VDC (uMin=19V/uMax=30V)
Operating Temperature	1. -10°C ~ +60°C (+14°F ~ +140°F) with 6th gen CPU 2. -10°C ~ +55°C (+14°F ~ +140°F) with 7th gen CPU (TBC)	1. -10°C ~ +60°C (+14°F ~ +140°F) with 6th gen CPU 2. -10°C ~ +55°C (+14°F ~ +140°F) with 7th gen CPU (TBC)
Wall Mount	Yes	Yes
Dimensions (W x D x H)	147.5 mm (5.80") (W) x 192 mm (7.54") (H) x 230 mm (9.04") (D)	188.1 mm (7.39") (W) x 192 mm (7.54") (H) x 230 mm (9.04") (D)
Weight (net/gross)	4.382 kg (9.66 lb)/5.346 kg (11.80 lb)	TBC
Certificates	CE/FCC	CE/FCC
EOS Support	6th gen platform: Win 7 32/64-bit & Win 10 64-bit 7th gen platform: Win 10 64-bit	6th gen platform: Win 7 32/64-bit & Win 10 64-bit 7th gen platform: Win 10 64-bit

Industrial Barebone Systems



Features/Models	IPC922-215-FL	IPC932-230-FL
CPU Level	Intel® Celeron® J1900	4th gen Intel® Core™ i7/i5/i3 & Celeron®
System Memory	1 x 204-pin DDR3L-1333 SO-DIMM, up to 8GB	2 x 204-pin DDR3-1333/1600 SO-DIMM, up to 16GB
Chipset	SoC	Intel® Q87
Serial	4 x RS-232-422-485 (COM 1 ~ 4)	2 x RS-232/422/485 (COM 1/2) 2 x RS-232 (COM 3/4)
Display	1 x VGA	1 x DVI-I
Audio	N/A	1 x Audio (Mic-in/Line-out)
PS/2	N/A	Yes
Ethernet	2 x 10/100/1000 Mbps Ethernet	2 x 10/100/1000 Mbps Ethernet
USB	4 x USB 2.0	2 x USB 3.0 4 x USB 2.0
Expansion Interface	2 PCI or 1 PCI & 1 PCIe x4	1 PCIe x1 & 1 PCIe x4 or 1 PCI & 1 PCIe x4
Storage	1 x 2.5" HDD 1 x CFast™	2 x 2.5" HDD 1 x CFast™
Watchdog Timer	255 levels, 1 ~ 255 sec.	255 levels, 1 ~ 255 sec.
Power Supply	120 W ATX 18 ~ 28 VDC	150 W ATX 10 ~ 30 VDC
Operating Temperature	-10°C ~ +50°C (+14°F ~ +122°F) (with W.T. HDD)	-10°C ~ +50°C (+14°F ~ +122°F) (with W.T. HDD or CFast™ or SSD)
Wall Mount	Yes	Yes
Dimensions (W x D x H)	118 x 248 x 185 mm (4.6" x 9.8" x 7.3")	164 x 245.6 x 185 mm (6.45" x 9.65" x 7.27")
Weight (net/gross)	4.22 kg (9.28 lb)/5.3 kg (11.68 lb)	6.2 kg (13.67 lb)/7.2 kg (15.87 lb)
Certificates	CE	CE
EOS Support	WES7	WES7

Industrial Chassis



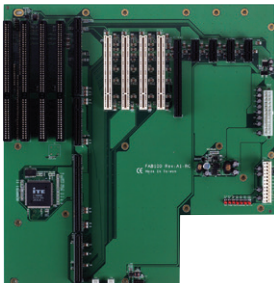
Features/Models	AX61131TM	AX61221TM	AX61400
Height	1U	2U	4U
Number of Slots	1	3	14
Backplane Selection	N/A	N/A	FAB100, FAB101, FAB112, FAB113, FAB114, FAB118, FAB119, ATX6022/14, ATX6022/14G, ATX6022/13L, ATX6022/14GP7
MB Support	Yes, 12" x 9.6" (ATX)	Yes, 12" x 9.6" (ATX)	Yes, 12" x 9.6" (ATX)
Drive Capacity	5.25"	N/A	2 (1 slim)
	3.5"	2 (internal)	2 (1 internal)
Cooling System	2 x 4 cm	1 x 8 cm	1 x 12 cm
Fault Detection	N/A	N/A	N/A
Power Supply	1U type	PS/2 type	PS/2 type
Dimensions (W x D x H)	440 x 428 x 44mm (17.3" x 16.8" x 1.73")	482.6 x 450 x 88 mm (19" x 17.7" x 3.5")	482.6 x 450 x 177 mm (19" x 17.7" x 7")
Weight (net/gross)	9.8 kg (21.6 lb)/10.8 kg (23.81 lb)	12 kg (26.45 lb)/13.5 kg (29.77 lb)	15 kg (33.07 lb)/16.3 kg (35.94 lb)



Features/Models	AX6156LE	AX60501
Height	4U	-
Number of Slots	14	6
Backplane Selection	FAB100, FAB101, FAB112, FAB113, FAB114, FAB118, FAB119, ATX6022/14, ATX6022/14G, ATX6022/14G, ATX6022/13	FAB105, FAB109, FAB110, HAB206, ATX6022/6
MB Support	Yes, 12" x 9.6" (ATX)	N/A
Drive Capacity	5.25"	3
	3.5"	1
Cooling System	1 x 12 cm	2 (1 internal)
Fault Detection	N/A	1 x 9 cm
Power Supply	PS/2 type (optional HRP)	N/A
Dimensions (W x D x H)	484.7 x 537.6 x 176.7 mm (19" x 21.2" x 7")	PS/2 type
Weight (net/gross)	18 kg (39.68 lb)/19.5 kg (43 lb)	235 x 400 x 154.7 mm (9.25" x 15.8" x 6.1")
		9 kg (19.84 lb)/10.3 kg (22.7 lb)

PICMG 1.3 SHB Express Full-size Backplanes

FAB100



- PICMG 1.3 ①
- PCI ④
- ISA ④
- PCIe x1 ④
- PCIe x16 ①

FAB102



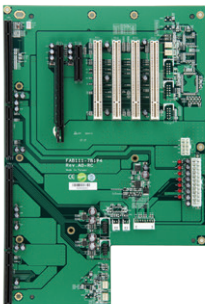
- PICMG 1.3 ①
- PCIe x16 ①

FAB105



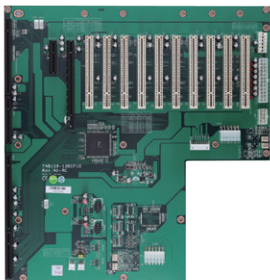
- PICMG 1.3 ①
- PCI ③
- PCIe x16 ①

FAB111



- PICMG 1.3 ①
- PCI ④
- PCIe x4 ①
- PCIe x16 ①

FAB119



- PICMG 1.3 ①
- PCI ⑩
- PCIe x4 ①
- PCIe x16 ①

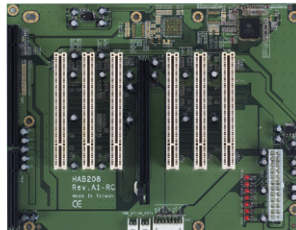
PICMG 1.3 SHB Express Half-size Backplanes

HAB206



PICMG 1.3 ①
PCI ③
PCIe x16 ①

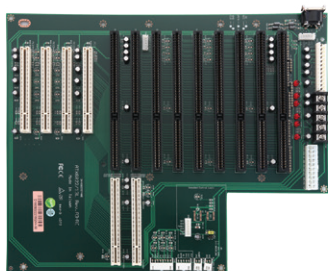
HAB208



PICMG 1.3 ①
PCI ⑥
PCIe x16 ①

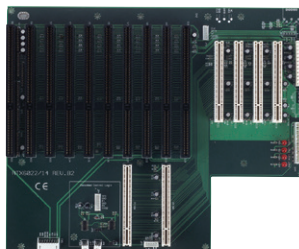
PICMG 1.0 Full-size Backplanes

ATX6022/13L



PICMG ①
PCI ④
ISA ⑧

ATX6022/14



PICMG ①
PCI ④
ISA ⑨

Peripherals & Accessories

AX7042

1U Keyboard Drawer with Touch Pad

- 19" rackmount drawer meets the EIA RS-310C standard
- Integrated keyboard and designed touch pad for easy of operation
- Compact and slim size design with 119-key layout
- High quality rubber-membrane key switch
- Drawer standard color: beige or black
- Keyboard standard color: black (English only)
- Rugged slide rail and USB cable for keyboard and touch pad



AX7300T

5.25" Multiple Drives with USB, K/B and M/S Ports



Accessories

59386831020E

SATA2 HDD lockable cable, 180D to 180D, L: 500 mm



59461560040E

SATA2 HDD lockable cable, 90D to 180D, L: 650 mm



593836A0030E

4-pin power cable to SATA x 2 L=150 m (RC)



5938A808010E

2-port USB cable (190 mm)



59383600000E

Audio cable



59380000290E

PS/2 keyboard & mouse cable with bracket



SOHO Network Appliances

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Features \ Models		NA362	NA361	NA345
Form Factor		1U desktop	1U desktop	1U desktop
Processor		Intel® Atom® C3000	Intel® Atom® C2358 (2C) (NA361FL by request)	Intel® Pentium® N4200 (4C) Intel® Celeron® N3350 (2C)
Chipset		SoC Integrated	SoC Integrated	SoC Integrated
BIOS		AMI SPI Flash BIOS	AMI SPI Flash BIOS	AMI SPI Flash BIOS
Memory	Technology	DDR4	DDR3-1600	DDR3L-1866
	Max Capacity	2 x DIMM up to 64G 4x DIMM up to 128G	Up to 16GB non-ECC/ECC	Up to 8GB non-ECC
	Socket	2 x 288 pin R-DIMM/U-DIMM (Intel® C3338) 4 x 288 pin R-DIMM/U-DIMM (Intel® C3558/C3758)	2 x 240-pin U-DIMM	1 x 204-pin SO-DIMM
Network Interface	Ethernet	6 x 10/100/1000 Mbps (default) and 2 or 4 x 10GbE SFP+ (depends on CPU)	6 x 10/100/1000 Mbps	4 x 10/100/1000 Mbps (6 ports by request)
	LAN Bypass	1 pair (optional)	2 pairs (optional)	2 pairs (optional)
	Controllers	Intel® i210	Intel® i354 & i210	Intel® i211
	LAN Module	N/A	N/A	N/A
Storage	HDD	1 x 2.5" HDD	1 x 2.5" HDD	1 x 2.5" HDD
	CompactFlash™ / CFast™ / mSATA	1 x mSATA	1 x CompactFlash™	1 x mSATA
I/O	USB	2 x USB 2.0	2 x USB 2.0	2 x USB 3.0
	Console	1 x RJ-45	1 x RJ-45	1 x RJ-45
Power Supply		1 x 12V, 5A power adapter (Intel® C3338/ C3558) 1 x 12V, 7A power adapter (Intel® C3758)	1 x 12V, 5A power adapter	1 x 12V, 5A power adapter
Expansion		1 x PCI Express Mini Card slot	1 x PCI Express Mini Card slot (USB interface)	1 x PCI Express Mini Card slot (USB interface)
VGA/HDMI		N/A	N/A	1 x HDMI (Optional)
Fanless		N/A	N/A	Yes (NA345FL only)
Operating Temperature		0°C ~ +40°C (+32°F ~ +104°F)	0°C ~ +40°C (+32°F ~ +104°F)	0°C ~ +40°C (+32°F ~ +104°F)
LCD Module		N/A	N/A	N/A
OS Support		Yocto, Linux	Yocto, Linux	Win 10, Linux
Dimensions (H x W x D)		44 x 231 x 197 mm (1.73" x 9.09" x 7.76")	44 x 231 x 197 mm (1.73" x 9.09" x 7.76")	44 x 231.9 x 152 mm (1.73" x 9" x 5.98")
Certificates		CE/FCC	CE/FCC	CE/FCC



Features \ Models		NA343	NA342	NA130
Form Factor		1U desktop	1U desktop	1U desktop
Processor		Intel® Celeron® N3060 (2C)	Intel® Celeron® J1900 (4C)	AMD G-series GX-210
Chipset		SoC Integrated	SoC Integrated	SoC Integrated
BIOS		AMI SPI Flash BIOS	AMI SPI Flash BIOS	AMI SPI Flash BIOS
Memory	Technology	DDR3L-1600	DDR3L-1333	DDR3L-1600
	Max Capacity	Up to 8GB non-ECC	Up to 8GB non-ECC	Up to 8GB non-ECC
	Socket	1 x 204-pin SO-DIMM	1 x 204-pin SO-DIMM	1 x 204-pin SO-DIMM
Network Interface	Ethernet	4 x 10/100/1000 Mbps (6 ports by request)	4 x 10/100/1000 Mbps (6 ports by request)	4 x 10/100/1000 Mbps (6 ports by request)
	LAN Bypass	1 pair (optional)	2 pairs (optional)	1 pair (optional)
	Controllers	Intel® i211	Intel® i211	Realtek 8111G
	LAN Module	N/A	N/A	N/A
Storage	HDD	1 x 2.5" HDD	1 x 2.5" HDD	1 x 2.5" HDD
	CompactFlash™ / CFast™ / mSATA	1 x CFast™	1 x CompactFlash™	1 x mSATA
I/O	USB	2 x USB 3.0	1 x USB 2.0, 1 x USB 3.0	1 x USB 2.0, 1 x USB 3.0
	Console	1 x RJ-45	1 x RJ-45	1 x RJ-45
Power Supply		1 x 12V, 5A power adapter	1 x 12V, 5A power adapter	1 x 12V, 5A power adapter
Expansion		1 x PCI Express Mini Card slot (USB interface)	1 x PCI Express Mini Card slot (USB interface)	1 x PCI Express Mini Card slot (USB interface)
VGA/HDMI		Pin-header	Pin-header	Pin-header
Fanless		N/A	N/A	N/A
Operating Temperature		0°C ~ +40°C (+32°F ~ +104°F)	0°C ~ +40°C (+32°F ~ +104°F)	0°C ~ +40°C (+32°F ~ +104°F)
LCD Module		N/A	N/A	N/A
OS Support		Win8, Linux	Win7, WES7, Win8, WE8S, Linux	Win7, Win10, Cent OS, Ubuntu, FreeBSD
Dimensions (H x W x D)		44 x 231.9 x 152 mm (1.73" x 9" x 5.98")	44 x 231.9 x 152 mm (1.73" x 9" x 5.98")	44 x 231.9 x 152 mm (1.73" x 9" x 5.98")
Certificates		CE/FCC	CE/FCC	CE/FCC

SMB Network Appliances

NEW



NEW



Features \ Models		NA860 (2U)	NA860 (1U)	NA850
Form Factor		2U, 19" rackmount	1U, 19" rackmount	2U, 19" rackmount
Processor		Dual LGA3647 Intel® Skylake server processors	LGA3647 Intel® Skylake server processor	LGA2011 Intel® Xeon® E5-2600 v3
Chipset		Intel® C621	Intel® C621	Intel® C612
BIOS		AMI SPI Flash BIOS	AMI SPI Flash BIOS	AMI SPI Flash BIOS
Memory	Technology	DDR4-2400	DDR4-2400	DDR4-2133
	Max Capacity	Up to 384GB non-ECC/ECC	Up to 192GB non-ECC/ECC	Up to 512GB non-ECC/ECC
	Socket	12 x 288-pin R-DIMM	6 x 288-pin R-DIMM	16 x 288-pin R-DIMM
Network Interface	Ethernet (default)	2 x 10/100/1000 Mbps	2 x 10/100/1000 Mbps	2 x 10/100/1000 Mbps
	Ethernet (max.)	66 x 10/100/1000 Mbps	34 x 10/100/1000 Mbps	42 x 10/100/1000 Mbps
	LAN Bypass	Depends on LAN module	Depends on LAN module	Depends on LAN module
	LAN Module	8 NIC slots (Dual CPUs) 4 NIC slots (Single CPU)	4 NIC slots	5 NIC slots (Dual CPUs) 3 NIC slots (Single CPU)
Storage	HDD	2 x 2.5" HDD (hot swappable)	2 x 2.5" HDD	2 x 3.5" HDD (hot swappable)
	CompactFlash™ / CFast™ / mSATA	1 x mSATA	1 x mSATA	1 x CompactFlash™
I/O	USB	2 x USB 3.0	2 x USB 2.0	2 x USB 3.0
	Console	1 x RJ-45	1 x RJ-45	1 x RJ-45
Power Supply		800 W 2U redundant	400 W 1U redundant	650 W 2U redundant
Expansion		2 x PCIe x8 (optional)	None	2 x PCIe x8 (optional)
VGA		Yes	Yes	Yes
Operating Temperature		0°C ~ +40°C (+32°F ~ +104°F)	0°C ~ +40°C (+32°F ~ +104°F)	0°C ~ +45°C (+32°F ~ +113°F)
LCD Module		Yes	Yes	Yes
OS Support		Linux Kernel	Linux Kernel	Linux Kernel
Dimensions (H x W x D)		88 x 430 x 562 mm (3.46" x 16.93" x 22")	44 x 430 x 562 mm (1.73" x 16.93" x 22")	88 x 430 x 550 mm (3.46" x 16.93" x 21.65")
Certificates		CE/FCC	CE/FCC	CE/FCC

NEW

Coming soon



Features \ Models		NA590	NA580	NA362R
Form Factor		1U, 19" rackmount	1U, 19" rackmount	1U, 19" rackmount
Processor		LGA1151 Intel® Xeon® E3/Core™ family	LGA1151 Intel® Xeon® E3/Core™ family	Intel® Atom® C3558/C3758
Chipset		Intel® C246/H310	Intel® C236/H110	SoC Integrated
BIOS		AMI SPI Flash BIOS	AMI SPI Flash BIOS	AMI SPI Flash BIOS
Memory	Technology	DDR4-2400	DDR4-2400	DDR4
	Max Capacity	Up to 64GB non-ECC/ECC	Up to 64GB non-ECC/ECC	Up to 128GB non-ECC/ECC
	Socket	4 x 288-pin R-DIMM (Intel® C246) 2 x 288-pin R-DIMM (Intel® H310)	4 x 288-pin R-DIMM (Intel® C236) 2 x 288-pin R-DIMM (Intel® H110)	4 x 288-pin R-DIMM/U-DIMM
Network Interface	Ethernet (default)	8 x 10/100/1000 Mbps (Intel® C246) 6 x 10/100/1000 Mbps (Intel® H310)	8 x 10/100/1000 Mbps (Intel® C236) 6 x 10/100/1000 Mbps (Intel® H110)	6 x 10/100/1000 Mbps 4 x 10G SFP+
	Ethernet (max.)	26 x 10/100/1000 Mbps	18 x 10/100/1000 Mbps	6 x 10/100/1000 Mbps 4 x 10G SFP+
	LAN Bypass	2 pairs	2 pairs	1 pair
	LAN Module	2 NIC slots	1 NIC slot	N/A
Storage	HDD	2 x 2.5" HDD or 1 x 3.5" HDD (optional)	2 x 2.5" HDD or 1 x 3.5" HDD (optional)	2 x 2.5" HDD or 1 x 3.5" HDD (optional)
	CompactFlash™ / CFast™ / mSATA	1 x mSATA	1 x CFast™ 1 x mSATA	1 x mSATA
I/O	USB	2 x USB 3.0	2 x USB 3.0	2 x USB 2.0
	Console	1 x RJ-45	1 x RJ-45	1 x RJ-45
Power Supply		270 W ATX power 280 W 1U redundant (optional)	270 W ATX power 280 W 1U redundant (optional)	84 W open frame
Expansion		1 x PCIe x8 (Intel® C246 only)	1 x PCIe x8 (Intel® C236 only)	N/A
VGA		Pin header	Pin header	N/A
Operating Temperature		0°C ~ +45°C (+32°F ~ +113°F) (270W ATX power) 0°C ~ +40°C (+32°F ~ +104°F) (280 W 1U redundant)	0°C ~ +45°C (+32°F ~ +113°F) (270W ATX power) 0°C ~ +40°C (+32°F ~ +104°F) (280 W 1U redundant)	0°C ~ +45°C (+32°F ~ +113°F)
LCD Module		Yes	Yes	Yes
OS Support		Linux Kernel	Linux Kernel	Yocto, Linux
Dimensions (H x W x D)		44 x 430 x 450 mm (1.73" x 16.93" x 17.7")	44 x 430 x 450 mm (1.73" x 16.93" x 17.7")	44 x 430 x 250 mm (1.73" x 16.93" x 9.84")
Certificates		CE/FCC	CE/FCC	CE/FCC

Fanless Touch Panel Computers

NEW



NEW



Features/Models	GOT107W	GOT110W-125	GOT5103W-845
CPU Level	Intel® Celeron® N3350, 2C @ 1.1 GHz, TDP 6W (default) Intel® Pentium® N4200, 4C @ 1.1 GHz, TDP 6W	Freescape Dual Lite ARM Cortex-A9 1.0 GHz processor	Intel® Celeron® N3060 up to 2.48 GHz
Chipset	SoC integrated	SoC integrated	SoC integrated
System Memory	1 x 204-pin DDR3L SO-DIMM socket up to 8GB	2GB DDR3L-1600 memory onboard	1 x 204-pin DDR3L-1600 SO-DIMM up to 8GB
Display	7" WSVGA TFT LCD, 320 nits	10.1" WXGA TFT, 350nits	10.1" WXGA TFT, 350 nits
I/O	1 x RS-232 or 1 x DIO 1 x RS-232 2 x 10/100/1000 Mbps Ethernet 2 x USB 3.0 1 x Screw type connector for power 1 x power switch 1 x Line-out	1 x RS-232 1 x USB 2.0 1 x Power DC input screw type 1 x Micro-SD card slot 1 x HDMI 1 x 10/100/1000 Mbps Ethernet	1 x RS-232 (COM 2) 1 x RS-232/422/485 (COM 1) 2 x 10/100/1000 Mbps Ethernet 2 x USB 2.0 2 x USB 3.0 1 x Audio (Line-out) 1 x HDMI 1 x switch for power on/off 1 x AT/ATX mode selection switch
Storage	1 x M.2 SSD	Onboard 16GB eMMC and 1 x Micro-SD card slot	1 x half-slim SATA SSD (optional) 1 x mSATA
Expansion Interface	1 x PCI Express Mini Card slot 1 x M.2 Card slot for storage	1 x PCI Express Mini Card slot	2 x PCI Express Mini Card slot
Touchscreen	Projected capacitive multi-touch	Projected capacitive multi-touch	Projected capacitive multi-touch
Operating System	Windows® 10 (64-bit)	Android 4.4.3	Windows® 10, Windows® 8.1, WEBS, Windows® 7, WES 7
Power Supply	1. DC version: 9 ~ 36V DC adapter cable 2. AC version: 100 ~ 240V AC-DC, 60W power adapter	12V 36W adapter	24V DC 100 ~ 240V AC, 60W power adapter
Power Consumption	TBC	TBC	40.32W
Watchdog Timer	255 levels, 0 ~ 255 sec.	255 levels, 0 ~ 255 sec.	255 levels, 0 ~ 255 sec.
Dimensions (W x D x H)	TBC	260.8 x 38 x 194.1 mm (10.27" x 1.50" x 7.65")	260.8 x 38 x 194.1 mm (10.27" x 1.50" x 7.65")
Weight (net/gross)	TBC	1.08 kg (2.38 lb)/2.18 kg (4.8 lb)	1.08 kg (2.38 lb)/2.18 kg (4.8 lb)
Operating Temperature	0°C ~ +50°C (+32°F ~ +122°F)	0°C ~ +50°C (+32°F ~ +122°F)	0°C ~ +50°C (+32°F ~ +122°F)
Certificate	CE, FCC class B	CE, FCC class B	CE, FCC class B

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Features\Models	GOT110-316	GOT115-316	GOT5153W-845
CPU Level	Intel® Celeron® N3350, 2C @ 1.1 GHz, TDP 6W (default) Intel® Pentium® N4200, 4C @ 1.1 GHz, TDP 6W	Intel® Celeron® N3350, 2C @ 1.1 GHz, TDP 6W (default) Intel® Pentium® N4200, 4C @ 1.1 GHz, TDP 6W	Intel® Celeron® N3060 up to 2.48 GHz
Chipset	SoC integrated	SoC integrated	SoC integrated
System Memory	1 x 204-pin DDR3L SO-DIMM socket up to 8GB	1 x 204-pin DDR3L SO-DIMM socket up to 8GB	1 x 204-pin DDR3L-1600 SO-DIMM up to 8GB
Display	10.4" XGA TFT, 350 nits	15" XGA TFT LCD, 420 nits	15.6" WXGA TFT, 300 nits
I/O	1 x RS-232/422/485 1 x RS-232 2 x 10/100/1000 Mbps Ethernet 4 x USB 3.0 1 x Screw type connector for power 1 x power button (ATX) 1 x remote power switch 1 x Line-out 1 x ATX/AT selectable switch 1 x HDMI	1 x RS-232/422/485 1 x RS-232 2 x 10/100/1000 Mbps Ethernet 4 x USB 3.0 1 x Screw type connector for power 1 x power button (ATX) 1 x remote power switch 1 x Line-out 1 x ATX/AT selectable switch 1 x HDMI	1 x RS-232 (COM 2) 1 x RS-232/422/485 (COM 1) 2 x 10/100/1000 Mbps Ethernet 2 x USB 2.0 2 x USB 3.0 1 x Audio (Line-out) 1 x HDMI 1 x switch for power on/off 1 x AT/ATX mode selection switch
Storage	1 x 2.5" SATA HDD 1 x mSATA	1 x 2.5" SATA HDD 1 x mSATA	1 x mSATA 1 x 2.5" SATA HDD (AC version only)
Expansion Interface	2 x PCI Express Mini Card slot	2 x PCI Express Mini Card slot	2 x PCI Express Mini Card slot
Touchscreen	5-wire resistive touch or projected capacitive multi-touch	5-wire resistive touch or projected capacitive multi-touch	Projected capacitive multi-touch or 5-wire flat resistive type
Operating System	Windows® 10 (64-bit)	Windows® 10 (64-bit)	Windows® 10, Windows® 8.1, WEBS, Windows® 7, WEBS 7
Power Supply	1. DC version: 12/19 ~ 24V DC adapter cable 2. AC version: 100 ~ 240V AC-DC, 60W power adapter	1. DC version: 12/19 ~ 24 V DC adapter cable 2. AC version: 100 ~ 240V AC-DC, 60W power adapter	1. DC version: 9 ~ 36 VDC with over-current protection fuse 2. AC version: 100 ~ 240V AC-DC, 60W power adapter
Power Consumption	TBC	TBC	30W
Watchdog Timer	255 levels, 0 ~ 255 sec.	255 levels, 0 ~ 255 sec.	255 levels, 0 ~ 255 sec.
Dimensions (W x D x H)	TBC	TBC	394.2 x 57 x 257.2 mm (15.53" x 2.25" x 10.13")
Weight (net/gross)	TBC	TBC	3.0 kg (6.61 lb)/4.5 kg (9.92 lb)
Operating Temperature	0°C ~ +50°C (+32°F ~ +122°F)	0°C ~ +50°C (+32°F ~ +122°F)	0°C ~ +50°C (+32°F ~ +122°F)
Certificate	CE, FCC class B	CE, FCC class B	CE, FCC class B

Heavy-duty Fanless Touch Panel Computers

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Features/Models	GOT315-311	GOT3157W-834	GOT317-502
CPU Level	Intel® Pentium® N3350, 2C @ 1.1 GHz (up to 2.4 GHz) N4200, 4C @ 1.1 GHz (up to 2.5 GHz)	Intel® Celeron® J1900 4C @ 2.0 GHz (up to 2.42 GHz)	LGA1151 socket 7th/6th gen Intel® Core™ i7/i5/i3, Pentium® & Celeron® processor (Kaby lake/Skylake)
Chipset	SoC integrated	SoC integrated	Intel® H110
System Memory	1 x 204-pin DDR3L-1333/1600 MHz SO-DIMM, up to 8GB	1 x 204-pin DDR3L-1333/1600 MHz SO-DIMM, up to 8GB	2 x 260-pin DDR4-2400 SO-DIMM, up to 32GB
Display	15" XGA TFT, 420 nits	15.6" WXGA TFT, 300 nits	17" SXGA TFT, 350 nits
I/O	2 x RS-232/422/485 2 x RS-232 2 x 10/100/1000 Mbps Ethernet 2 x USB 3.0 2 x USB 2.0 1 x HDMI 2 x Audio (Line-out/Mic-in)	2 x RS-232/422/485 2 x 10/100/1000 Mbps Ethernet 2 x USB 3.0 2 x USB 2.0 1 x Audio (Line-out)	2 x RS-232/422/485 1 x HDMI v1.4 1 x VGA (up to 1920 x 1200 60Hz) 1 x DisplayPort v1.2 (DP++) 4 x USB 3.0 2 x 10/100/1000 Mbps Ethernet (Intel® i219LM/i211AT) 1 x Audio (Mic-in/Line-out)
Storage	1 x 2.5" HDD 1 x mSATA	1 x 2.5" HDD 1 x CFast™ or mSATA	1 x 2.5" SATA HDD
Expansion Interface	2 x PCI Express Mini Card slot 1 x PCI Express Mini Card slot Flexible I/O	2 x PCI Express Mini Card slot	1 x half-size PCI Express Mini Card slot (mPCIe 2) 1 x full-size PCI Express Mini Card slot (mSATA_mPCIe 2)
Touchscreen	Flat resistive touch	Projected capacitive multi-touch	Flat resistive touch
Operating System	Windows® 10 (64-bit)	Windows® 8.1, WE8S, Windows® 7, WES 7	Skylake: Win7 32/64-bit, Win8.1 64-bit, Win10 64-bit Kaby Lake: Win10 64-bit
Power Supply	9 ~ 36 VDC	9 ~ 36V DC	DC terminal block: +12V / +19V / +24V AC adapter: 19V, 6.32A
Power Consumption	TBC	45W	120W (include 35W processor)
Watchdog Timer	255 levels, 0 ~ 255 sec.	255 levels, 0 ~ 255 sec.	255 levels, 0 ~ 255 sec.
Dimensions (W x D x H)	TBC	396.8 x 59.4 x 247.1 mm (15.6" x 2.12" x 9.73")	398.02 x 77.5 x 330.44 mm (15.67" x 3.05" x 13.01")
Weight (net/gross)	TBC	5.0 kg (11.02 lb)/7.0 kg (15.43 lb)	6.7 kg (14.77 lb)/9.0 kg (19.84 lb)
Operating Temperature	-10°C ~ +60°C (+14°F ~ +140°F)	-10°C ~ +50°C (+14°F ~ +122°F)	0°C ~ +40°C (+32°F ~ +104°F)
Wide Temperature	Yes	Yes	N/A
Certificate	CE	CE	CE



Features/Models	GOT3177T-311-FR	GOT3177T-834	GOT3187W-834
CPU Level	Intel® Pentium® N4200 4C @ 1.1 GHz (up to 2.5 GHz)	Intel® Celeron® J1900 4C @ 2.0 GHz (up to 2.42 GHz)	Intel® Celeron® J1900 4C @ 2.0 GHz (up to 2.42 GHz)
Chipset	SoC integrated	SoC integrated	SoC integrated
System Memory	1 x 204-pin DDR3L-1333/1600 MHz SO-DIMM, up to 8GB	1 x 204-pin DDR3L-1333/1600 MHz SO-DIMM, up to 8GB	1 x 204-pin DDR3L-1333/1600 MHz SO-DIMM, up to 8GB
Display	17" SXGA TFT, 350 nits	17" SXGA TFT, 350 nits	18.5" WXGA TFT, 350 nits
I/O	2 x RS-232/422/485 2 x RS-232 2 x 10/100/1000 Mbps Ethernet 2 x USB 3.0 2 x USB 2.0 1 x HDMI 2 x Audio (Line-out/Mic-in)	2 x RS-232/422/485 2 x 10/100/1000 Mbps Ethernet 2 x USB 3.0 2 x USB 2.0 1 x Audio (Line-out)	2 x RS-232/422/485 2 x 10/100/1000 Mbps Ethernet 2 x USB 3.0 2 x USB 2.0 1 x Audio (Line-out)
Storage	1 x 2.5" HDD 1 x mSATA	1 x 2.5" HDD 1 x CFast™ or mSATA	1 x 2.5" HDD 1 x CFast™ or mSATA
Expansion Interface	2 x PCI Express Mini Card slot 1 x half-size PCI Express Mini Card slot Flexible I/O	2 x PCI Express Mini Card slot	2 x PCI Express Mini Card slot
Touchscreen	Flat resistive touch	Flat resistive type	Projected capacitive multi-touch
Operating System	Windows® 10 (64-bit)	Windows® 8.1, WE8S, Windows® 7, WES 7	Windows® 8.1, WE8S, Windows® 7, WES 7
Power Supply	9 ~ 36V DC	9 ~ 36V DC	9 ~ 36V DC
Power Consumption	69W	50W	49W
Watchdog Timer	255 levels, 0 ~ 255 sec.	255 levels, 0 ~ 255 sec.	255 levels, 0 ~ 255 sec.
Dimensions (W x D x H)	398.0 x 77.5 x 330.4 mm (15.66" x 3.05" x 13.01")	398.02 x 59.9 x 330.44 mm (15.64" x 2.36" x 13.01")	460.8 x 58.5 x 285 mm (18.11" x 2.3" x 11.22")
Weight (net/gross)	5.7 kg (12.6 lb)/8.0 kg (17.6 lb)	4.8 kg (10.6 lb)/7.1 kg (15.67 lb)	5.8 kg (12.8 lb)/8.2 kg (18.1 lb)
Operating Temperature	-10°C ~ +50°C (+14°F ~ +122°F)	-10°C ~ +50°C (+14°F ~ +122°F)	-10°C ~ +50°C (+14°F ~ +122°F)
Wide Temperature	Yes	Yes	Yes
Certificate	CE	CE	CE

Heavy-duty Fanless Touch Panel Computers



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Features/Models	GOT3187WL-834	GOT321W-502
CPU Level	Intel® Celeron® J1900 4C @ 2.0 GHz (up to 2.42 GHz)	LGA1151 socket 7th/6th gen Intel® Core™ i7/i5/i3, Pentium® & Celeron® processor (Kaby lake/Skylake)
Chipset	SoC integrated	Intel® H110
System Memory	1 x 204-pin DDR3L-1333/1600 MHz SO-DIMM, up to 8GB	2 x 260-pin DDR4-2400 SO-DIMM, up to 32GB
Display	18.5" WXGA TFT, 250 nits	21.5" FHD TFT LCD
I/O	2 x RS-232/422/485 2 x 10/100/1000 Mbps Ethernet 2 x USB 3.0 2 x USB 2.0 1 x Audio (Line-out)	2 x RS-232/422/485 1 x HDMI v1.4 1 x VGA (up to 1920 x 1200 60Hz) 1 x DisplayPort v1.2 (DP++) 4 x USB 3.0 2 x 10/100/1000 Mbps Ethernet (Intel® i219LM/i211AT) 1 x Audio (Mic-in/Line-out)
Storage	1 x 2.5" HDD 1 x CFast™ or mSATA	1 x 2.5" SATA HDD
Expansion Interface	2 x PCI Express Mini Card slot	1 x half-size PCI Express Mini Card slot (mPCIe 2) 1 x full-size PCI Express Mini Card slot (mSATA_mPCIe 2)
Touchscreen	Projected capacitive multi-touch	10-point projected capacitive multi-touch
Operating System	Windows® 8.1, WEBS, Windows® 7, WES 7	Skylake: Win7 32/64-bit, Win8.1 64-bit, Win10 64-bit Kaby Lake: Win10 64-bit
Power Supply	9 ~ 36V DC 12V DC with 60W adapter	DC terminal block: +12V / +19V / +24V AC adapter: 19V, 6.32A
Power Consumption	46W	TBC
Watchdog Timer	255 levels, 0 ~ 255 sec.	255 levels, 0 ~ 255 sec.
Dimensions (W x D x H)	460.8 x 58.5 x 285 mm (18.11" x 2.3" x 11.22")	TBC
Weight (net/gross)	5.8 kg (12.8 lb)/8.2 kg (18.1 lb)	TBC
Operating Temperature	0°C ~ +40°C (+32°F ~ +104°F)	0°C ~ +40°C (+32°F ~ +104°F)
Wide Temperature	NA	N/A
Certificate	CE	CE



Features\Models	GOT3217WL-845
CPU Level	Intel® Pentium® N3710 4C @ 1.6 GHz (up to 2.56 GHz)
Chipset	SoC integrated
System Memory	1 x 204-pin DDR3L-1600 MHz SO-DIMM, up to 8GB
Display	21.5" FHD TFT, 250 nits
I/O	1 x RS-232 (COM 2) 1 x RS-232/422/485 (COM 1) 2 x 10/100/1000 Mbps Ethernet 2 x USB 2.0 2 x USB 3.0 1 x Audio (Line-out) 1 x HDMI 1 x Switch for power on/off 1 x AT/ATX mode selection switch 8 x DIO ports (programmable, DB15)
Storage	1 x 2.5" HDD 1 x mSATA
Expansion Interface	2 x PCI Express Mini Card slot
Touchscreen	10-point projected capacitive multi-touch
Operating System	Windows® 10 (64-bit), Windows® 8.1, WEBS, Windows® 7, WES 7
Power Supply	24V DC 100 ~ 240V, AC-DC 60W power adapter
Power Consumption	48W
Watchdog Timer	255 levels, 0 ~ 255 sec.
Dimensions (W x D x H)	547.6 x 58.5 x 339.0 mm (21.56" x 2.30" x 13.35")
Weight (net/gross)	7.6 kg (16.8 lb)/10.5 kg (23.1 lb)
Operating Temperature	0°C ~ +50°C (+32°F ~ +122°F)
Wide Temperature	N/A
Certificate	CE

Vehicle Mount Terminal Computer

NEW



Features	Models	GOT610-837
CPU Level		Intel® Atom® E3845 1.91 GHz (Bay Trail)
Chipset		SoC integrated
System Memory		DDR3 4GB (default) or 8GB memory onboard
Display		10.4" XGA TFT LCD, 500 nits
I/O		1 x RJ-45 for GbE LAN with isolated 1.5KV 4 x USB port type A connector 1 x Serial port RS-232/422/485 with isolated 1.5KV D-sub 9 male 1 x DC for power input with isolated 1.5KV Phoenix 3.81 mm terminal 1 x Audio: Line-out, Mic-in, 3.5 mm phone jack 1 x DIO (6-in/2-out) with isolated 1.5KV Phoenix type 1 x CAN bus with isolated 1.5KV D-sub 9 male 3 x Internal Antenna (SMA) 1 x SIM socket
Storage		16GB flash onboard 1 x mSATA
Expansion Interface		2 x full-size PCI Express Mini Card slot
Touchscreen		5-wire resistive touch or projected capacitive Touch
Operating System		Windows® 7, WES7 Windows® 8/8.1, WE8S Windows® 10, Windows® 10 IoT
Power Supply		9 ~ 36V DC or 18 ~ 60V DC
Power Consumption		44.5W
Watchdog Timer		255 levels, 1 ~ 255 sec
Front Bezel		Aluminum with rugged protection
Dimensions (W x D x H)		382 x 185 x 427 mm (15.04" X 7.28" X 16.81")
Weight (net/gross)		TBC
Operating Temperature		-30°C ~ +55°C (-22°F ~ +131°F)
Wide Temperature		Yes
Certificate		CE, EN 60721-3-5

Stainless Touch Panel Computers



NEW



Features/Models	GOT812L(H)-880	GOT812LR-834	GOT815L-511
CPU Level	Intel® Core™ i5 4300U 1.9 GHz (Haswell ULT)	Intel® Atom® E3827 (1.75 GHz)	Intel® Core™ i5-7300U 3.5 GHz (Kaby Lake)
Chipset	SoC integrated	SoC integrated	SoC integrated
System Memory	1 x 204-pin SO-DIMM DDR3L-1600, up to 8GB	1 x 204-pin SO-DIMM DDR3L-1333, up to 8GB	1 x 260-pin DDR4-2133 SO-DIMM, up to 16GB
Display	12" XGA TFT, 420 nits (GOT812L-880) 12" XGA TFT, 800 nits (GOT812H-880)	12.1" XGA TFT, 1000 nits	15" XGA TFT LCD, 420 nits
I/O	2 x RS-232/422/485 (default RS-232) 4 x USB 2.0 1 x 10/100/1000 Mbps Ethernet	2 x RS-232/422/485 (default RS-232) 2 x USB 2.0 1 x 10/100/1000 Mbps Ethernet	2 x RS-232/422/485 (default RS-232, A-coded) 4 x USB 2.0 (A-coded) 1 x 10/100/1000 Mbps Ethernet
Storage	1 x 2.5" SSD	1 x 2.5" SSD 1 x CFast™	1 x 2.5" SSD HDD or 1 x 2.5" SATA HDD
Expansion Interface	1 x PCI Express Mini Card slot	2 x PCI Express Mini Card slot	1 x full-size PCI Express Mini Card slot 1 x half-size PCI Express Mini Card slot
Touchscreen	5-wire resistive type or Projected capacitive touch	2-wire low reflective resistive type	5-wire resistive touch or projected capacitive multi-touch
Operating System	Windows® 8.1, WE8S, Windows® 7, WES 7, Windows® 10	Windows® 8.1, WE8S, Windows® 7, WES 7, Windows® 10	Windows® 10 IoT, Windows® 10
Power Supply	9 ~ 36 VDC	9 ~ 36 VDC	9 ~ 36 VDC
Power Consumption	56W	47W	45W
Watchdog Timer	255 levels, 1 ~ 255 sec.	255 levels, 1 ~ 255 sec.	255 levels, 1 ~ 255 sec.
Front Bezel	Stainless steel IP66/IP69K protection	Stainless steel with full IP66 protection	Stainless steel IP66/IP69K protection
Dimensions (W x D x H)	318 x 75.3 x 248.5 mm (12.52" x 2.96" x 9.78")	296 x 240 x 59 mm (11.65" x 9.45" x 3.74")	382 x 55 x 305 mm (15.4" x 2.17" x 12.01")
Weight (net/gross)	4.27 kg (9.41 lb)/5.77 kg (12.72 lb)	4.6 kg (10.14 lb)/6.2 kg (13.67 lb)	5.2 kg (11.46 lb)/8.4 kg (18.5 lb)
Operating Temperature	-20°C ~ +50°C (-4°F ~ +122°F)	-20°C ~ +55°C (-4°F ~ +131°F)	-20°C ~ +50°C (-4°F ~ +122°F)
Wide Temperature	Yes	Yes	Yes
Certificate	CE	CE	CE

Stainless Touch Panel Computers



NEW



Features/Models	GOT815-834	GOT817L-511	GOT817-834
CPU Level	Intel® Atom® E3827 1.75 GHz	Intel® Core™ i5-7300U 3.5 GHz (Kaby Lake)	Intel® Atom® E3827 1.75 GHz
Chipset	SoC integrated	SoC integrated	SoC integrated
System Memory	1 x 204-pin DDR3L-1333 SO-DIMM, up to 8GB	1 x 260-pin DDR4-2133 SO-DIMM, up to 16GB	1 x 204-pin DDR3L-1333 SO-DIMM, up to 8GB
Display	15" XGA TFT, 420 nits	17" SXGA TFT LCD, 350 nits	17" SXGA TFT, 350 nits
I/O	2 x RS-232/422/485 (default RS-232) 4 x USB 2.0 1 x 10/100/1000 Mbps Ethernet	2 x RS-232/422/485 (default RS-232, A-coded) 4 x USB 2.0 (A-coded) 1 x 10/100/1000 Mbps Ethernet	2 x RS-232/422/485 (default RS-232) 4 x USB 2.0 1 x 10/100/1000 Mbps Ethernet
Storage	1 x 2.5" SSD 1 x CFast™	1 x 2.5" SSD HDD or 1 x 2.5" SATA HDD	1 x 2.5" SSD 1 x CFast™
Expansion Interface	2 x PCI Express Mini Card slot	1 x full-size PCI Express Mini Card slot 1 x half-size PCI Express Mini Card slot	2 x PCI Express Mini Card slot
Touchscreen	5-wire resistive type or Projected capacitive touch	5-wire resistive touch or projected capacitive multi-touch	5-wire resistive type or projected capacitive touch
Operating System	Windows® 8.1, WE8S, Windows® 7, WES 7, Windows® 10	Windows® 10 IoT, Windows® 10	Windows® 8.1, WE8S, Windows® 7, WES 7, Windows® 10
Power Supply	9 ~ 36 VDC	9 ~ 36 VDC	12 ~ 36 VDC
Power Consumption	30W	57W	50W
Watchdog Timer	255 levels, 1 ~ 255 sec.	255 levels, 1 ~ 255 sec.	255 levels, 1 ~ 255 sec.
Front Bezel	Stainless steel IP66/IP69K protection	Stainless steel IP66/IP69K protection	Stainless steel IP66/IP69K protection
Dimensions (W x D x H)	382 x 55 x 305 mm (15.4" x 2.17" x 12.01")	415.92 x 54.96 x 348.34 mm (16.37" x 2.16" x 13.71")	415.92 x 54.96 x 348.34 mm (16.37" x 2.16" x 13.71")
Weight (net/gross)	5.2 kg (11.46 lb)/8.4 kg (18.51 lb)	7.04 kg (15.52 lb)/10.3 kg (22.71 lb)	7.04 kg (15.52 lb)/10.3 kg (22.71 lb)
Operating Temperature	-20°C ~ +50°C (-4°F ~ +122°F)	-20°C ~ +50°C (-4°F ~ +122°F)	-20°C ~ +55°C (-4°F ~ +131°F)
Wide Temperature	Yes	Yes	Yes
Certificate	CE	CE	CE

Transportation Touch Panel Computers & Display



Features/Models	GOT710-837	GOT712-837
CPU Level	Intel® Atom® E3845 (1.91 GHz)	Intel® Atom® E3845 (1.91 GHz)
Chipset	SoC integrated	SoC integrated
System Memory	DDR3 4GB memory onboard	DDR3 4GB memory onboard
Display	10.4" SVGA TFT, 1000 nits	12.1" XGA TFT, 800 nits
I/O	2 x RS-232/422/485 with isolated 1.5KV (M12, A-coded) 2 x RJ-45 for GbE LAN with isolated 1.5KV (M12, X-coded) 2 x USB 2.0 (M12, A-coded) 1 x DC for power input with isolated 1.5KV (M12, A-coded) 1 x Audio: Line-out, Line-in, Speaker-out (D-sub) 1 x DIO (6-in/2-out) with isolated 1.5KV (D-sub) 1 x CANbus with isolated 1.5KV (D-sub)	2 x RS-232/422/485 with isolated 1.5KV (M12, A-coded) 2 x RJ-45 for GbE LAN with isolated 1.5KV (M12, X-coded) 2 x USB 2.0 (M12, A-coded) 1 x DC for power input with isolated 1.5KV (M12, A-coded) 1 x Audio: Line-out, Line-in, Speaker-out (D-sub) 1 x DIO (6-in/2-out) with isolated 1.5KV (D-sub) 1 x CANbus with isolated 1.5KV (D-sub)
Storage	16GB flash onboard 1 x mSATA	16GB flash onboard 1 x mSATA
Expansion Interface	2 x PCI Express Mini Card slot	2 x PCI Express Mini Card slot
Touchscreen	5-wire resistive type or glass with keyboard	5-wire resistive type or glass with keyboard
Operating System	Windows® 8.1, WE8S, Windows® 7, WES7 Windows® 10 (IoT)	Windows® 8.1, WE8S, Windows® 7, WES7 Windows® 10 (IoT)
Power Supply	16 ~ 30V DC or 77 ~ 137.5V DC	16 ~ 30V DC or 77 ~ 137.5V DC
Power Consumption	36W	35W
Watchdog Timer	255 levels, 1 ~ 255 sec.	255 levels, 1 ~ 255 sec.
Front Bezel	Aluminum with rugged protection	Aluminum with rugged protection
Dimensions (W x D x H)	310 x 65 x 216 mm (12.20" x 2.56" x 8.50")	330 x 64.4 x 245 mm (13" x 2.53" x 9.65")
Weight (net/gross)	2.4 kg (5.29 lb)/5 kg (11.02 lb)	2.4 kg (5.29lb)/5 kg (11.02lb)
Operating Temperature	-25°C ~ +70°C (-13°F ~ +158°F)	-25°C ~ +70°C (-13°F ~ +158°F)
Wide Temperature	Yes	Yes
Certificate	EN 50155 Railway EN 50121-3-2 Railway EMC EN 61373 Railway Shock/Vibration	EN 50155 Railway EN 50121-3-2 Railway EMC EN 61373 Railway Shock/Vibration

Industrial Touch Panel Computers

NEW



NEW



NEW



Features/Models	P1127E-500	P1157E-500	P1177E-500
CPU Level	LGA1151 socket 6/7th gen Intel® Core™ i7/i5/i3, Celeron® & Pentium®	LGA1151 socket 6/7th gen Intel® Core™ i7/i5/i3, Celeron® & Pentium®	LGA1151 socket 6/7th gen Intel® Core™ i7/i5/i3, Celeron® & Pentium®
Chipset	Intel® H110	Intel® H110	Intel® H110
System Memory	2 x 288-pin DDR4-2133 Long-DIMM dual channel, up to 32GB	2 x 288-pin DDR4-2133 Long-DIMM dual channel, up to 32GB	2 x 288-pin DDR4-2133 Long-DIMM dual channel, up to 32GB
Display	12.1" XGA TFT, 500 nits	15" XGA TFT, 250 nits	17" SXGA TFT, 250 nits
I/O	3 x RS-232 (COM 2 ~ 4) 1 x RS-232/422/485 (COM 1) 1 x HDMI 1 x VGA 1 x DisplayPort 4 x USB 3.0 2 x USB 2.0 2 x 10/100/1000 Mbps Ethernet 1 x Audio (Mic-in/Line-out) 1 x PS/2 combo 1 x Remote power switch	3 x RS-232 (COM 2 ~ 4) 1 x RS-232/422/485 (COM 1) 1 x HDMI 1 x VGA 1 x DisplayPort 4 x USB 3.0 2 x USB 2.0 2 x 10/100/1000 Mbps Ethernet 1 x Audio (Mic-in/Line-out) 1 x PS/2 combo 1 x Remote power switch	3 x RS-232 (COM 2 ~ 4) 1 x RS-232/422/485 (COM 1) 1 x HDMI 1 x VGA 1 x DisplayPort 4 x USB 3.0 2 x USB 2.0 2 x 10/100/1000 Mbps Ethernet 1 x Audio (Mic-in/Line-out) 1 x PS/2 combo 1 x Remote power switch
Storage	1 x 2.5" SATA HDD	1 x 3.5" or 2 x 2.5" SATA HDD	1 x 3.5" or 2 x 2.5" SATA HDD
DVD-RW	N/A	N/A	N/A
Expansion Interface	1 x PCIe x4 or 1 x PCI	1 x PCIe x4 or 1 x PCI	1 x PCIe x4 or 1 x PCI
Touchscreen	5-wire resistive type	5-wire resistive type	5-wire resistive type
Operation System	1. Skylake: Win 7, Win 8.1, Win 10 2. Kabylake: Win 10 64-bit	1. Skylake: Win 7, Win 8.1, Win 10 2. Kabylake: Win 10 64-bit	1. Skylake: Win 7, Win 8.1, Win 10 2. Kabylake: Win 10 64-bit
Power Supply	200W, 100 ~ 240V AC	200W, 100 ~ 240V AC	200W, 100 ~ 240V AC
Power Consumption	TBC	97.6W	TBC
Watchdog Timer	255 levels, 1 ~ 255 sec	255 levels, 1 ~ 255 sec	255 levels, 1 ~ 255 sec
Front Bezel	Aluminum with IP65/NEMA 4 rugged protection	Aluminum with IP65/NEMA 4 rugged protection	Aluminum with IP65/NEMA 4 rugged protection
Dimensions (W x D x H)	TBC	378.3 x 90 x 310.3 mm (14.89" x 3.54" x 12.22")	TBC
Weight (net/gross)	TBC	5.4 kg (11.90 lb)/7.8 kg (17.20 lb)	TBC
Operating Temperature	0°C ~ +50°C (+32°F ~ +122°F)	0°C ~ +50°C (+32°F ~ +122°F)	0°C ~ +50°C (+32°F ~ +122°F)
Certificate	CE	CE	CE



Features\Models		P1197E-500
CPU Level		LGA1151 socket 6/7th Gen Intel® Core™ i7/i5/i3, Celeron® & Pentium®
Chipset		Intel® H110
System Memory		2 x 288-pin DDR4-2133 Long-DIMM dual channel, up to 32GB
Display		19" SXGA TFT, 250 nits
I/O		3 x RS-232 (COM 2 ~ 4) 1 x RS-232/422/485 (COM 1) 1 x HDMI 1 x VGA 1 x DisplayPort 4 x USB 3.0 (back) 2 x USB 2.0 (front) 2 x 10/100/1000 Mbps Ethernet 1 x Audio (Mic-in/Line-out) 1 x PS/2 combo
Storage		1 x 3.5" or 2 x 2.5" SATA HDD
DVD-RW		1 x built-in slim type (optional)
Expansion Interface		1 x PCIe x4 or 1 x PCI
Touchscreen		5-wire resistive type
Operation System		1. Skylake: Win 7、Win 8.1、Win 10 2. Kabylake: Win 10 64-bit
Power Supply		200W, 100 ~ 240V AC
Power Consumption		157W
Watchdog Timer		255 levels, 1 ~ 255 sec.
Front Bezel		Aluminum with IP65/NEMA 4 rugged protection
Dimensions (W x D x H)		378 x 72.2 x 309 mm (14.88" x 2.84" x 12.17")
Weight (net/gross)		8 kg (17.64 lb)/10.4 kg (22.93 lb)
Operating Temperature		0°C ~ +45°C (+32°F ~ +113°F)
Certificate		CE

Industrial Touch Monitors

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Features/Models	P6105	P6157W-V2	P6171-V2
Display Type	10.4" XGA TFT NEMA 4/12 & IP65	15.6" WXGA TFT Flat front bezel (NEMA 4/12)	17" SXGA TFT, aluminum front bezel NEMA 4/12 & IP65
Max. Colors	16.2M	16.7M	16.2M
Active Area (mm)	210.4 x 157.8	344.232 x 193.536	337.920 x 270.336
Max. Resolution	1024 x 768	1366 x 768	1280 x 1024
Display Mode	VGA 640 x 480 (60/72 Hz) SVGA 800 x 600 (60/72 Hz) XGA 1024 x 768 (60/72 Hz)	VGA 640 x 480 (60/72/75 Hz) SVGA 800 x 600 (56/60/75 Hz) XGA 1024 x 768 (60/70/75 Hz) SXGA 1280 x 1024 (60/70/75 Hz) WXGA 1366 x 768 (60 Hz)	VGA 640 x 350 (70 Hz) VGA 640 x 480 (60/72/75 Hz) VGA 720 x 400 (70 Hz) SVGA 800 x 600 (60/72/75 Hz) XGA 1024 x 768 (60/72/75 Hz) SXGA 1280 x 1024 (60/72/75 Hz)
Pixel Pitch (H x V, mm)	0.0685 x 0.2055	0.252 x 0.252	0.264 x 0.264
Backlight	LED	LED	LED
Backlight MTBF (hrs)	50,000	50,000	30,000
Viewing Angle (H/V)	176°/176°	170°/160°	170°/160°
Response Time	25ms	8ms	5ms
Contrast Ratio	1000 (TYP)	500 (TYP)	1000 (TYP)
Brightness (cd/m²)	500 nits	400 nits	250 nits
Display Control	OSD	OSD	OSD
I/O Connectors	1 x DC power input 1 x RS-232 for touch and remote control 1 x VGA 1 x HDMI 1 x DVI-D 1 x Line-in	1 x DC power input 1 x RS-232 or USB for touch 1 x VGA 1 x HDMI 1 x DVI-D 1 x Line-in	1 x DC power input 1 x RS-232 or USB for touch 1 x VGA 1 x HDMI 1 x DVI-D 1 x Line-in
Touchscreen	Resistive type	Capacitive type Multi-touch for 10 points	Resistive type
Power Consumption	16W	19W	24W
Power Adapter	Screw-type external	Screw-type external AC/DC power adapter	Screw-type external AC/DC power adapter
Dimensions (W x D x H)	372 x 175 x 412 mm (14.65" x 6.89" x 16.2")	397 x 247 x 54 mm (15.63" x 9.72" x 2.13")	410.31 x 28 x 38.31 mm (16.15" x 1.10" x 13.32")
Weight (net/gross)	2.2 kg (4.85 lb)/3.45 kg (7.61 lb)	4.5 kg (9.92 lb)/6.5 kg (14.33 lb)	3.8 kg (8.38 lb)/6.56 kg (14.46 lb)
Operating Temperature	-25°C ~ +55°C (-13°F ~ +131°F)	0°C ~ +55°C (+32°F ~ +131°F)	0°C ~ +45°C (+32°F ~ +113°F)
Mounting	Panel mount/Wall mount/VESA arm	Panel mount/Wall mount/Rackmount/ VESA mount	Panel mount/Wall mount/Rackmount/ VESA mount
Certificate	EN 50155 railway EN 50121-3-2 railway EMC EN 613703 railway shock/vibration	CE	CE

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Features/Models	P6187W-V2	P6217W
Display Type	18.5" WXGA TFT Flat front bezel (NEMA 4/12)	21.5" FHD TFT Flat front bezel (NEMA 4/12)
Max. Colors	16.7M	16.7M
Active Area (mm)	409.8 x 230.4	476.64 x 268.11
Max. Resolution	1366 x 768	1920 x 1080
Display Mode	VGA 640 x 350 (70 Hz) VGA 720 x 400 (70 Hz) VGA 640 x 480 (60/72/75 Hz) SVGA 800 x 600 (60/72/75 Hz) XGA 1024 x 768 (60/70/75 Hz) WXGA 1366 x 768 (60 Hz)	VGA 640 x 350 (70 Hz) VGA 720 x 400 (70 Hz) VGA 640 x 480 (60/72/75 Hz) SVGA 800 x 600 (60/72/75 Hz) XGA 1024 x 768 (60/70/75 Hz) WXGA 1366 x 768 (60 Hz) FHD 1920 x 1080 (60 Hz)
Pixel Pitch (H x V, mm)	0.3 x 0.3	0.24 x 0.24
Backlight	LED	LED
Backlight MTBF (hrs)	50,000	50,000
Viewing Angle (H/V)	170°/160°	178°/178°
Response Time	5ms	18ms
Contrast Ratio	1000 (TYP)	3000 (TYP)
Brightness (cd/m²)	450 nits	250 nits
Display Control	OSD	OSD
I/O Connectors	1 x DC power input 1 x RS-232 or USB for touch 1 x VGA 1 x HDMI 1 x DVI-D 1 x Line-in	1 x DC power input 1 x RS-232 or USB for touch 1 x VGA 1 x HDMI 1 x DVI-D 1 x Line-in
Touchscreen	Capacitive multi-touch	Capacitive type Multi-touch for 10 points
Power Consumption	22W	20W
Power Adapter	Screw-type external AC/DC power adapter	Screw-type external AC/DC power adapter
Dimensions (W x D x H)	460 x 57 x 285 mm (18.11" x 2.44" x 11.22")	547.59 x 53 x 339.05 mm (21.56" x 2.09" x 13.34")
Weight (net/gross)	6.0 kg (12.22 lb)/7.35 kg (16.20 lb)	6.42 kg (14.15 lb)/7.78 kg (17.15 lb)
Operating Temperature	0°C ~ +55°C (+32°F ~ +131°F)	0°C ~ +45°C (+32°F ~ +113°F)
Mounting	Panel mount/Wall mount/VESA arm	Panel mount/Wall mount/VESA arm
Certificate	CE	CE

Medical Panel Computers

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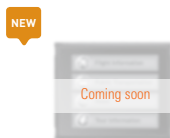


Features/Models	MPC103-845	MPC102-845	MPC152-845
CPU Level	Intel® Celeron® N3060 2 cores (up to 2.48 GHz)	Intel® Celeron® N3060 2 cores (up to 2.48 GHz)	Intel® Celeron® N3060 2 cores (up to 2.48 GHz)
Chipset	SoC integrated	SoC integrated	SoC integrated
System Memory	1 x 204-pin DDR3L-1600 SO-DIMM, up to 8GB	1 x 204-pin DDR3L-1600 SO-DIMM, up to 8GB	1 x 204-pin DDR3L-1600 SO-DIMM, up to 8GB
Display	10.1" WXGA TFT, 350 nits	10.4" SVGA TFT, 350 nits	15" XGA TFT, 420 nits
I/O	1 x RS-232 (COM 2) 1 x RS-232/422/485 (COM 1) 2 x 10/100/1000 Mbps Ethernet 2 x USB 2.0, 2 x USB 3.0 1 x Audio (Line-out) 1 x Switch for power on/off 1 x AT/ATX selectable switch	1 x RS-232 (COM 2) 1 x RS-232/422/485 (COM 1) 2 x 10/100/1000 Mbps Ethernet 2 x USB 2.0, 2 x USB 3.0 1 x Audio (Line-out) 1 x Switch for power on/off 1 x AT/ATX selectable switch	1 x RS-232 (COM 2) 1 x RS-232/422/485 (COM 1) 2 x 10/100/1000 Mbps Ethernet 2 x USB 2.0, 2 x USB 3.0 1 x Audio (Line-out) 1 x Switch for power on/off 1 x AT/ATX selectable switch 1 x 8-bit DIO (programmable, DB9)
Storage	1 x 2.5" half slim SSD (AC type only) 1 x mSATA	1 x 2.5" HDD 1 x mSATA	1 x 2.5" HDD 1 x mSATA
DVD-RW	N/A	N/A	N/A
Expansion Interface	2 x PCI Express Mini Card slot	2 x PCI Express Mini Card slot	2 x PCI Express Mini Card slot
Touchscreen	Projected capacitive multi-touch	5-wire resistive type	5-wire resistive type
Power Supply	9 ~ 36 VDC external 100 ~ 240 VAC, 65W medical grade power adapter	9 ~ 36 VDC external 100 ~ 240 VAC, 65W medical grade power adapter	9 ~ 36 VDC external 100 ~ 240 VAC, 65W medical grade power adapter
Watchdog Timer	255 levels, 0 ~ 255 sec.	255 levels, 0 ~ 255 sec.	255 levels, 0 ~ 255 sec.
Dimensions (W x D x H)	260.8 x 38 x 194.1 mm (10.27" x 1.5" x 7.65")	292.5 x 45.8 x 235.8 mm (1.52" x 1.8" x 9.28")	387.9 x 54.6 x 307.7 mm (15.27" x 2.14" x 12.11")
Weight (net/gross)	1.08 kg (2.38 lb)/2.18 kg (4.8 lb)	1.8 kg (3.96 lb)/3 kg (6.61 lb)	3.2 kg (7.05 lb)/5.1 kg (11.24 lb)
Operating Temperature	0° ~ +40°C (+32°F ~ +104°F)	0° ~ +40°C (+32°F ~ +104°F)	0° ~ +40°C (+32°F ~ +104°F)
Certificate	CE, EN 60601-1	CE, EN 60601-1	CE, EN 60601-1



Features\Models	MPC153-834	MPC240
CPU Level	Intel® Celeron® J1900 (up to 2.42 GHz)	Socket G3 4th gen Intel® Core™ i7/i5/i3 & Celeron®, Pentium® mobile
Chipset	SoC Integrated	Intel® HM86
System Memory	1 x 204-pin DDR3L-1066/1333 SO-DIMM, up to 8GB	2 x 204-pin DDR3L-1600 SO-DIMM, up to 16GB
Display	15.6" WXGA TFT, 300 nits	24" FHD TFT, 250 nits
I/O	2 x RS-232/422/485 (COM 1/2) 1 x RS-232/422/485 (COM 3 with isolated 4KV) 2 x 10/100/1000 Mbps Ethernet 2 x USB 3.0 1 x Audio (Line-out)	4 x USB 3.0 4 x USB 2.0 1 x Audio (Line-out) 1 x Audio (Mic-in) 1 x RJ-45 jack 1 x DC-in jack 1 x HDMI
Storage	1 x half-slim SSD 1 x CFast™ or mSATA	1 x 2.5" SATA HDD 1 x M2-SATA SSD (M2 type, 2242)
DVD-RW	N/A	1 x Super multi drive (optional)
Expansion Interface	2 x PCI Express Mini Card slot	1 x PCI Express Mini Card slot
Touchscreen	Projected capacitive multi-touch 5-wire flat resistive type	Projected capacitive multi-touch
Power Supply	9 ~ 36V DC External 100 ~ 240V AC, 60W medical grade power adapter	External AC/DC medical grade power adapter
Watchdog Timer	255 levels, 0 ~ 255 sec.	255 levels, 0 ~ 255 sec.
Dimensions (W x D x H)	394.2 x 57 x 257.2 mm (15.53" x 2.25" x 10.13")	610 x 35.5 x 415 mm (24.01" x 1.40" x 16.34")
Weight (net/gross)	3.0 kg (6.61 lb)/4.5 kg (9.92 lb)	6.2 kg (13.66 lb)/9 kg (19.84 lb)
Operating Temperature	0°C ~ +40°C (+32°F ~ +104°F)	5°C ~ +40°C (+13°F ~ +104°F)
Certificate	CE, EN 60601-1, FCC classB	CE, EN 60601-1

Open Frame Panel Computer



Features\Models		FDK152
CPU Level		Intel® Celeron® processor N3350, 2C @ 1.1 GHz, TDP 6W (default) Intel® Pentium® processor N4200, 4C @ 1.1 GHz, TDP 6W
LCD Panel		15" XGA TFT LCD, 450 nits
Chipset		SoC integrated
System Memory		1 x SO-DIMM 204-pin DDR3L up to 8 GB
CPU FSB Frequency		1.1 GHz
I/O		1 x RS-232/422/485 1 x RS-232 2 x 10/100/1000 Mbps Ethernet 4 x USB 3.0 1 x screw type connector for power 1 x power button (ATX) 1 x remote power switch 1 x Line-out 1 x ATX/AT selectable switch 1 x HDMI
Storage		1 x 2.5" SATA HDD 1 x mSATA
FDD		N/A
CD-ROM		N/A
Expansion		2 x PCI Express Mini Card slot
Touchscreen		5-wire resistive type (optional)
Operating System		Windows® 10 (64-bit)
Power Supply		100 ~ 240V AC, 60W power adapter or adapter cable for 24V DC
Power Consumption		TBC
Watchdog Timer		255 levels, 0 ~ 255 sec.
Dimensions (W x D x H)		TBC
Weight (net/gross)		TBC
Operating Temperature		0°C ~ +50°C (+32°F ~ +122°F)
Certificate		CE

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