

Break out into the AI world

With the AFOKAR-08A, your vehicle can be easily integrated with ADAS (Advanced Driver Assistance System) to enhance safety.



Fatigue driving detection with front camera



FVSA
(Front Vehicle Start Alarm)

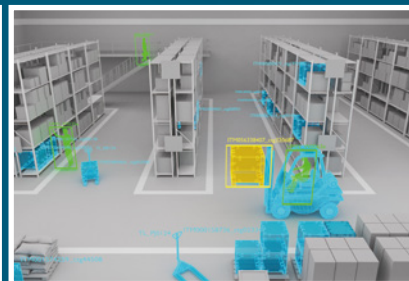


FCW
(Front Collision Warning)

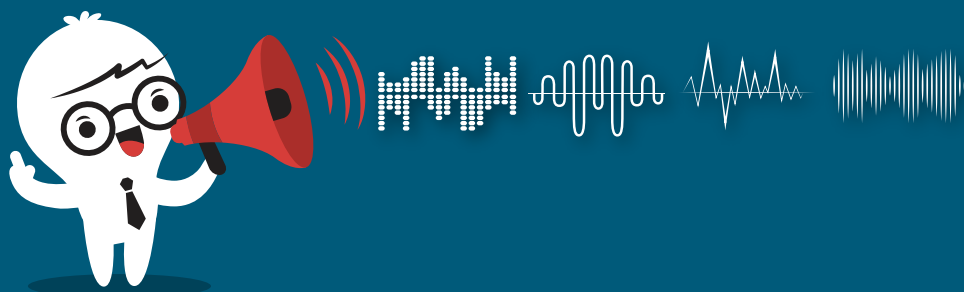


LDW
(Lane Departure Warning)

The IOVU series can do much more than you think. The face recognition technology for access control is one of them. Furthermore, it can be used for digital signage or as a POS system to analyze consuming behaviors.



Voice control is the best method for managing devices in building automation system. The IOVU series is built-in with powerful audio codec chip to support voice recognition.



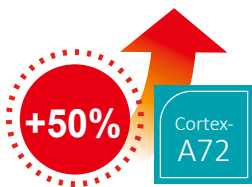
RockChip RK3399 Processor

- Dual-core Cortex-A72 up to 1.8GHz + Quad-core Cortex-A53 up to 1.5GHz)
- Mali-T864 GPU (45% more than Mali-T628)
- 4K UHD H265/H264/VP9
- Dual USB Type-C and USB 2.0
- HDMI 2.0a with HDCP 2.2



➤ Powerful, but low energy

Normally, the CPU will run A53 for low power consumption. If the application needs more computing power, A72 CPU will increase performance by 50%.



+50% performance than Cortex-A57



-15% power consumption than Cortex-A57

➤ +45% performance than Mali-T628

RK3399 has more powerful GPU and supports 4K resolution video decode.



VP9, 10-bits H.265/
H.264 60fps

Mali-T860 MP4

Supported OS

IEI products with RK3399 family CPU support dual OS with full API/SDK, making it easy to develop your own application on Android or Linux environment.

- Android 7.1 (Android 8.1 coming soon)
- Linux Ubuntu 16.04 (HYPER only)



Applications for RK3399

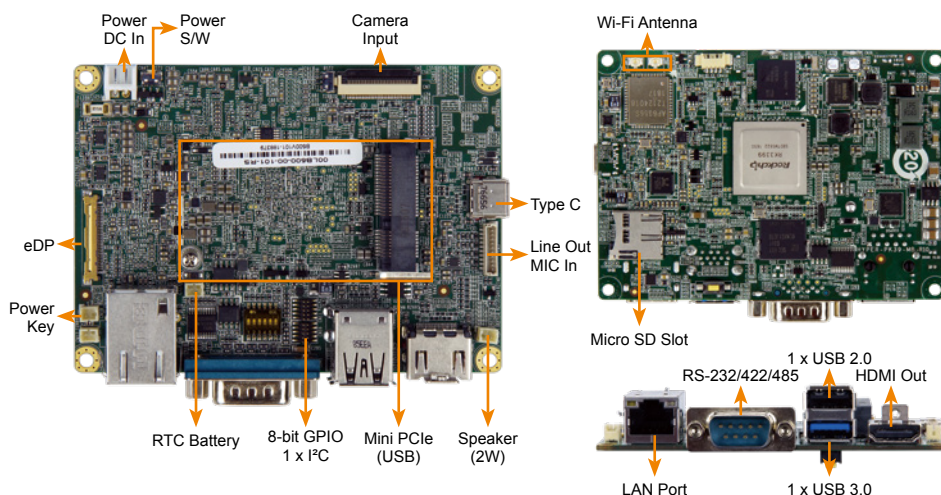
RK3399 has features of high performance, high expansion, all-round application and it will empower AI and assist the layout of industry products.



HYPER-RK39

PICO-ITX SBC with Rockchip 3399 Processor, 2GB LPDDR3, 16GB eMMC Flash, HDMI, eDP, GbE LAN, PCIe mini, USB 3.0, USB 2.0, COM, RoHS

NEW



Features

- Pico-ITX SBC supports Rockchip RK3399
- HDMI and eDP dual display support
- OS: Android 7.1 & Ubuntu 16.04



Specifications

Model Name		HYPER-RK39
Chassis	Dimensions (WxHxD) (mm)	Single board: 100mm x 72mm
Motherboard	CPU	Rockchip RK3399 (Dual-core Cortex-A72 up to 1.8GHz + Quad-core Cortex-A53 up to 1.5GHz)
	System Memory	2GB LPDDR3-1866
Storage	SD Card	1 x Micro SD slot
	Flash	16GB eMMC NAND FLASH
Communication	WLAN	802.11 a/b/g/n/ac
	Bluetooth	Bluetooth V4.1
	WWAN	PCIe Mini LTE (optional)
I/O Interfaces	COM port	1 x RS-232/422/485
	GPIO	8 bit (4 in / 4 out)
	Ethernet	1 x GbE RJ45 by RTL8211E
	USB 3.0	1 x USB 3.0 Type A 1 x USB 3.0 Type-C (for OS update)
	USB 2.0	1 x USB 2.0 Type A
	Display	1 x HDMI out 1 x eDP port
	Others	1 x I²C
Expansions	PCIe Mini	1 x Full-size PCIe Mini (reserved for WWAN)
Multimedia	Audio	1 x 2 pin for speaker (2W) 1 x 10 pin (Line in / Line out)
	Camera	1 x MIPI CSI interfaces for Camera
Power	Power Input	1 x 2 pin DC 12V in wafer connector
	Power Consumption	12V @ 1.2A (with 11.6" eDP panel)
Reliability	Operating Temperature	-10°C ~ 50°C with air flow
	Storage Temperature	-20°C ~ 60°C
	Humidity	10% ~ 90%, non-condensing
	Weight (Net)	80 g
	Safety/EMC	CE/FCC compliant
OS	Supported OS	Android 7.1 or Linux Ubuntu 16.04
	Watchdog Timer	Yes

Ordering Information

Part No.	Description
HYPER-RK39-R10	PICO-ITX SBC with Rockchip 3399 Processor, 2GB LPDDR3 , 16GB eMMC Flash, Android 7.1, HDMI, eDP, GbE LAN, PCIe mini, USB3.0, USB2.0, COM, RoHS
HYPER-RK39-R10-TW	PICO-ITX SBC with Rockchip 3399 Processor, 2GB LPDDR3 , 16GB eMMC Flash, Android 7.1, HDMI, eDP, GbE LAN, PCIe mini, USB3.0, USB2.0, COM, Wi-Fi TW reg, ROHS
HYPER-RK39-R10-US	PICO-ITX SBC with Rockchip 3399 Processor, 2GB LPDDR3 , 16GB eMMC Flash, Android 7.1, HDMI, eDP, GbE LAN, PCIe mini, USB3.0, USB2.0, COM, Wi-Fi US reg, ROHS
HYPER-RK39-R10-EU	PICO-ITX SBC with Rockchip 3399 Processor, 2GB LPDDR3 , 16GB eMMC Flash, Android 7.1, HDMI, eDP, GbE LAN, PCIe mini, USB3.0, USB2.0, COM, Wi-Fi EU reg, ROHS
HYPER-RK39-CN-R10-CN	PICO-ITX SBC with Rockchip 3399 Processor, 2GB LPDDR3 , 16GB eMMC Flash, Android 7.1, HDMI, eDP, GbE LAN, PCIe mini, USB3.0, USB2.0, COM, Wi-Fi CN reg, ROHS
HYPER-RK39-R10-U-TW	PICO-ITX SBC with Rockchip 3399 Processor, 2GB LPDDR3 , 16GB eMMC Flash, Ubuntu 16.04, HDMI, eDP, GbE LAN, PCIe mini, USB3.0, USB2.0, COM, Wi-Fi TW reg, ROHS
HYPER-RK39-R10-U-US	PICO-ITX SBC with Rockchip 3399 Processor, 2GB LPDDR3 , 16GB eMMC Flash, Ubuntu 16.04, HDMI, eDP, GbE LAN, PCIe mini, USB3.0, USB2.0, COM, Wi-Fi US reg, ROHS
HYPER-RK39-R10-U-EU	PICO-ITX SBC with Rockchip 3399 Processor, 2GB LPDDR3 , 16GB eMMC Flash, Ubuntu 16.04, HDMI, eDP, GbE LAN, PCIe mini, USB3.0, USB2.0, COM, Wi-Fi EU reg, ROHS
HYPER-RK39-R10-U-CN	PICO-ITX SBC with Rockchip 3399 Processor, 2GB LPDDR3 , 16GB eMMC Flash, Ubuntu 16.04, HDMI, eDP, GbE LAN, PCIe mini, USB3.0, USB2.0, COM, Wi-Fi CN reg, ROHS
HYPER-RK39-R10-U	PICO-ITX SBC with Rockchip 3399 Processor, 2GB LPDDR3 , 16GB eMMC Flash, Ubuntu 16.04, HDMI, eDP, GbE LAN, PCIe mini, USB3.0, USB2.0, COM, RoHS

Packing List

- 1 x Hyper-RK single board
- 1 x Two pin to DC in power cable
- 1 x Heatsink set
- 1 x RTC battery

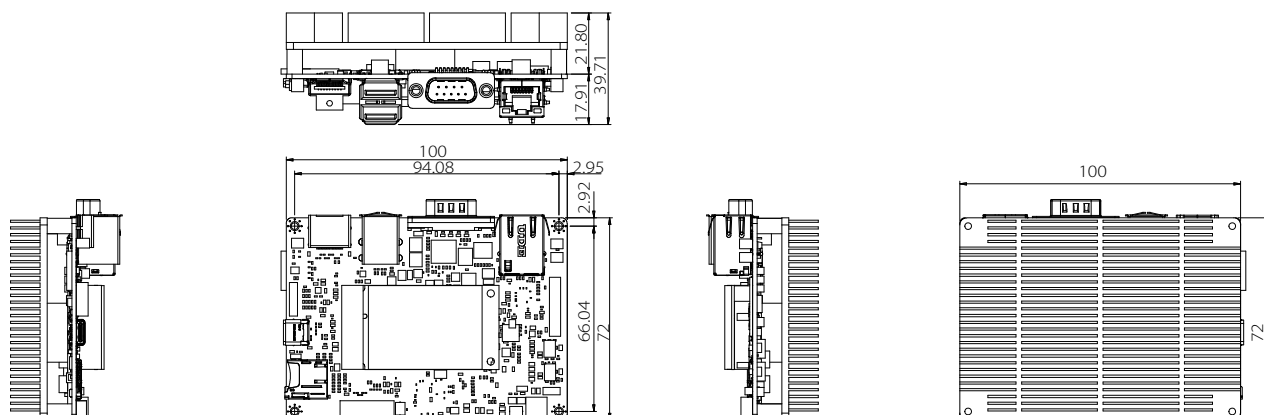
Options

Item	Part No.	Description
Power Adapter	63040-010060-120-RS	Vin:90~264VAC;60W;Φ2.5/Φ5.5/lock
GPIO Cable	32133-030000-100-RS	FEMALE 2*5P P=1.0*2;(B)PIN HEADER 2*5P P=2.54*2
Audio Cable	32107-005200-100-RS	Audio Jack:Ø3.5,6P
Power Switch Cable	19S00-015600-100-RS	ROCKER SWITCH:250V/6A,2P,ON/OFF
ePD Cable	32602-030700-100-RS	CABLE;;2;300MM;34AWG;(A)I-PEX:20454-240T P=0.5+PULL BAR*2
Speaker	19800-025000-100-RS	SPEAKER+CABLE MODULE;;;2;300MM;28AWG;(A)Speaker:26.6*15.6*9.0MM,8Ω,1.5W
IPEX to SMA cable	32501-000705-100-RS	RF CABLE FOR DVB-T;LINE DIAMETER:1.37mm;213MM;50Ω;Exceltek;0-6GHz
Wi-Fi Antenna	32505-004800-100-RS	WLAN;2.4G+5G WI-FI ANTENNA
Camera module	71001-COC794A5SFE-RS	Image Module; 2592*1944
LTE Antenna	32505-004200-100-RS	WLAN; LTE FULL BAND ANTENNA
LTE Module	27552-000004-RS	WCDMA/HSPA+/LTE; SIM7500SA

* Use LTE module need to add a SIM card slot board.

HYPER-RK39 Dimensions

(Unit: mm)





Features

- OS: Android 7.1
- CPU: Rockchip RK3399 (Dual-core Cortex-A72 up to 1.8GHz + Quad-core Cortex-A53 up to 1.5GHz)
- Boot Flash: 16G eMMC Nand Flash
- RAM: 2GB LPDDR3-1866
- 1 x SOS Key (with red bar):
Press for calling help in case emergency
- 2 x Function Keys (with green bar):
Default hot key by AP programming

Specifications



Model		IOVU-207AR-RK39
Chassis	Color	White
	Dimensions (WxHxD) (mm)	210.7 x 154.7 x 29.6
	System Fan	Fanless
	Chassis Construction	PC + ABS plastic front, Metal rear
Display	Size	7"
	Resolution	720 RGB (H) x 1280 (V)
	Brightness (cd/m ²)	300 cd/m ² (typ.)
	Contrast Ratio	800:1 (typ.)
	Pixel Pitch (mm)	0.1239 (H) x 0.119 (V)
	Viewing Angle (H/V)	70/70/70/70 Deg.
	Touchscreen	Projected capacitive
Motherboard	CPU	Rockchip RK3399 (Dual-core Cortex-A72 up to 1.8GHz + Quad-core Cortex-A53 up to 1.5GHz)
	System Memory	2GB LPDDR3-1866
Storage	SD Card	1 x Micro SD slot
	Flash	16GB eMMC NAND FLASH
Communication	WLAN	802.11 a/b/g/n/ac
	Bluetooth	Bluetooth V4.1
I/O Interfaces	COM port	2 x UART pin header with 3V (internal)
	Ethernet	1 x GbE RJ45 by RTL8211E
	USB 3.0	1 x USB 3.0 Type A
	USB 2.0	1 x USB 2.0 Type A 2 x USB 2.0 pin header (internal)
	Others	2 pin terminal block for SOS key
Multimedia	Audio	1 x Speaker (2 W) , 1 x Digital Mic in
	Camera	Front 5-megapixel (CMOS)
LED Indicator & Button	Indicator	1 x Power LED 1 x Mail 1 x Phone 1 x Exclamation Mark
	Button	1 x Reset Button 1 x SOS button (red bar) 2 x Function Key (green bar)
Power	Power Input	DC 9 V~30 V, φ2.5/5.5mm DC Jack
	Power Consumption	12V @ 1.05A
Reliability	Mounting	VESA Mount 75mmx75mm
	Operating Temperature	-10°C ~ 50°C with air flow
	Storage Temperature	-20°C ~ 60°C
	Humidity	10% ~ 90%, non-condensing
	Weight (Net)	0.72 kg
	Safety/EMC	CE/FCC Class B
OS	Supported OS	Android 7.1
	Watch dog timer	Yes



Ordering Information

Part No.	Description
IOVU-207AR-RK39-R10-TW	7" TFT-LCD; Rockchip 3399 Processor, 2GB LPDDR3 , 16GB eMMC Flash, Camera, WIFI/BT, Gigabit Ethernet, TW reg, ROHS
IOVU-207AR-RK39-R10-CN	7" TFT-LCD; Rockchip 3399 Processor, 2GB LPDDR3 , 16GB eMMC Flash, Camera, WIFI/BT, Gigabit Ethernet, CN reg, ROHS
IOVU-207AR-RK39-R10-EU	7" TFT-LCD; Rockchip 3399 Processor, 2GB LPDDR3 , 16GB eMMC Flash, Camera, WIFI/BT, Gigabit Ethernet, EU reg, ROHS
IOVU-207AR-RK39-R10-US	7" TFT-LCD; Rockchip 3399 Processor, 2GB LPDDR3 , 16GB eMMC Flash, Camera, WIFI/BT, Gigabit Ethernet, US reg, ROHS

Packing List

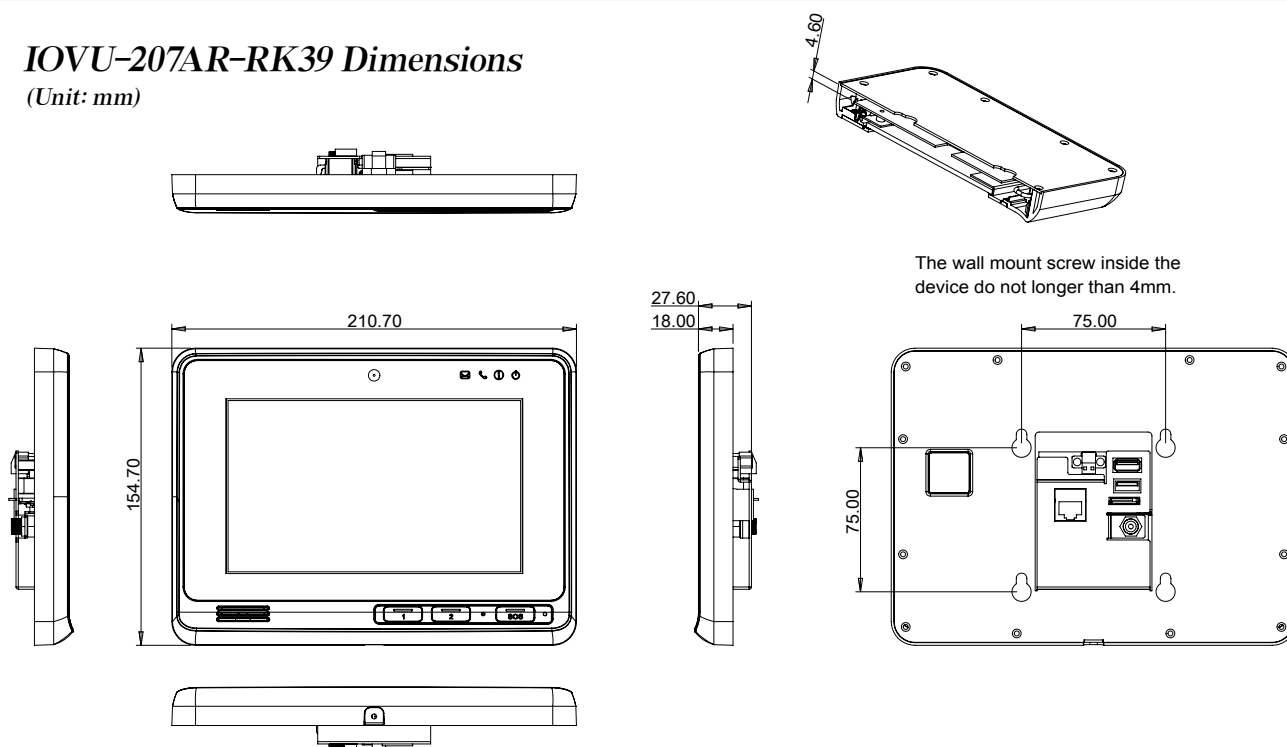
- 1 x IOVU-207AR Device
- 1 x Wall mount bracket
- 1 x Screw set

Options

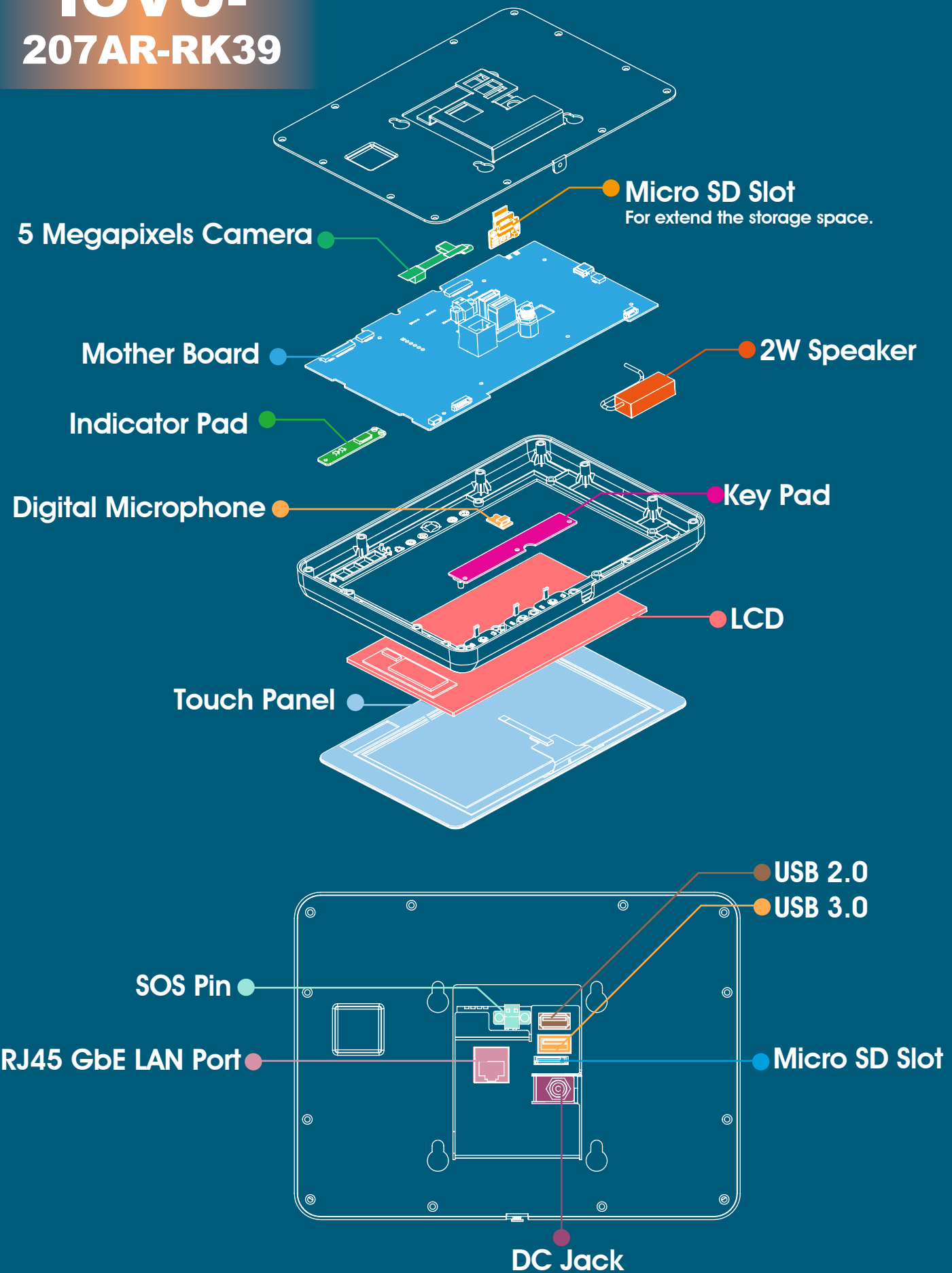
Item	Part No.	Description
Power Adapter	63040-010060-120-RS	Vin:90~264VAC;60W;Φ2.5/Φ5.5/lock

IOVU-207AR-RK39 Dimensions

(Unit: mm)



IOVU- 207AR-RK39



IOVU-210AD-RK39

10.1" RISC Base Panel PC

NEW



Features

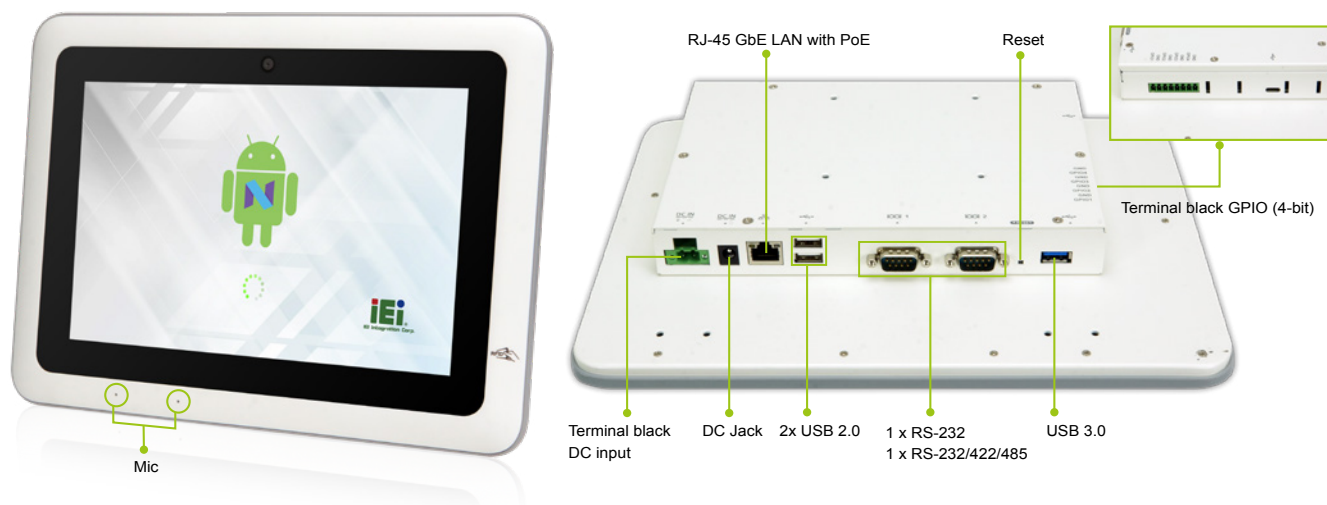
- 10.1" 1280x800 LCD
- Project Capacitive Touch Screen
- CPU: Rockchip RK3399 (Dual-core Cortex-A72 up to 1.8GHz + Quad-core Cortex-A53 up to 1.5GHz)
- OS: Android 7.1
- Boot Flash: 16GB eMMC Nand Flash
- RAM: 2GB LPDDR3



Specifications

Model		IOVU-210AD-RK39
Chassis	Color	White
	Dimensions (WxHxD) (mm)	293 x 209.5 x 44.5
	System Fan	Fanless
	Chassis Construction	PC + ABS plastic front, Metal rear
Display	Size	10.1"
	Resolution	800(RGB) x 1280
	Brightness (cd/m ²)	250 cd/m ² (typ.)
	Contrast Ratio	800:1(typ.)
	Pixel Pitch (mm)	0.0564(H) x 0.1692(V)
	Viewing Angle (H/V)	85/85/85/85 Deg.
	Touchscreen	Project Capacitive
Motherboard	CPU	Rockchip RK3399 (Dual-core Cortex-A72 up to 1.8GHz + Quad-core Cortex-A53 up to 1.5GHz)
	System Memory	2GB LPDDR3-1866
Storage	SD Card	1 x Micro SD slot (Internal)
	Flash	16GB eMMC NAND FLASH
Communication	WLAN	802.11 a/b/g/n/ac
	Bluetooth	Bluetooth V4.1
	RFID	13.56 MHz ISO4443 A/B, read-write capable, ISO 14443A (MIFARE), ISO 14443B (FeliCa)
I/O Interfaces	COM port	1 x RS-232 (DB-9) 1 x RS-232/422/485 (DB-9)
	GPIO	4 bit (2 in, 2 out)
	Ethernet	1 x GbE RJ45 by RTL8211E w/ PoE
	USB 3.0	1 x USB 3.0 Type A
	USB 2.0	2 x USB 2.0 Type A 2 x USB 2.0 pin header (internal)
Multimedia	Audio	1 x Speaker (2 W) , 2 x Digital Mic in
	Camera	Front 5-megapixel (CMOS)
LED Indicator & Button	Indicator	1 x Power, 1 x BT, 1 x Wi-Fi
	Button	1 x Reset Button
Power	Power Input	DC 9 V~30 V * DC input: ϕ 2.5/5.5mm DC Jack or Terminal block * PoE: IEEE 802.3 at standard (Power Device)
	Power Consumption	12V @ 1.2A
Reliability	Mounting	VESA Mount 75mm x 75mm
	Operating Temperature	-10°C ~ 50°C with air flow
	Storage Temperature	-20°C ~ 60°C
	Humidity	10% ~ 90%, non-condensing
	Weight (Net)	1.84 kg
	Safety/EMC	CE/FCC Class A
OS	Supported OS	Android 7.1
	Watch dog timer	Yes

* When both DC-in and PoE are connected to the device, the connection with higher voltage will be the main power source.



Ordering Information

Part No.	Description
IOVU-210AD-RK39-R10-TW	10.1" TFT-LCD; Rockchip 3399 Processor, 2GB LPDDR3 , 16GB eMMC Flash, WiFi/BT, IEEE 802.3at for POE, phone jack, 4xGPIO, Android 7.1, NFC, TW reg, ROHS
IOVU-210AD-RK39-R10-CN	10.1" TFT-LCD; Rockchip 3399 Processor, 2GB LPDDR3 , 16GB eMMC Flash, WiFi/BT, IEEE 802.3at for POE, phone jack, 4xGPIO, Android 7.1, NFC, CN reg, ROHS
IOVU-210AD-RK39-R10-EU	10.1" TFT-LCD; Rockchip 3399 Processor, 2GB LPDDR3 , 16GB eMMC Flash, WiFi/BT, IEEE 802.3at for POE, phone jack, 4xGPIO, Android 7.1, NFC, EU reg, ROHS
IOVU-210AD-RK39-R10-US	10.1" TFT-LCD; Rockchip 3399 Processor, 2GB LPDDR3 , 16GB eMMC Flash, WiFi/BT, IEEE 802.3at for POE, phone jack, 4xGPIO, Android 7.1, NFC, US reg, ROHS

Packing List

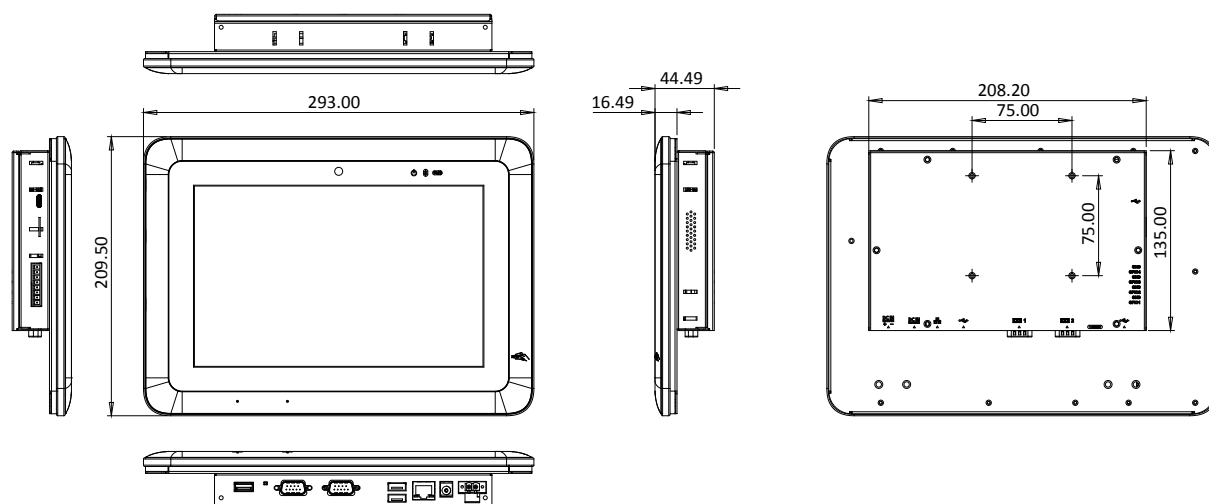
1 x IOVU-210AD Device

Options

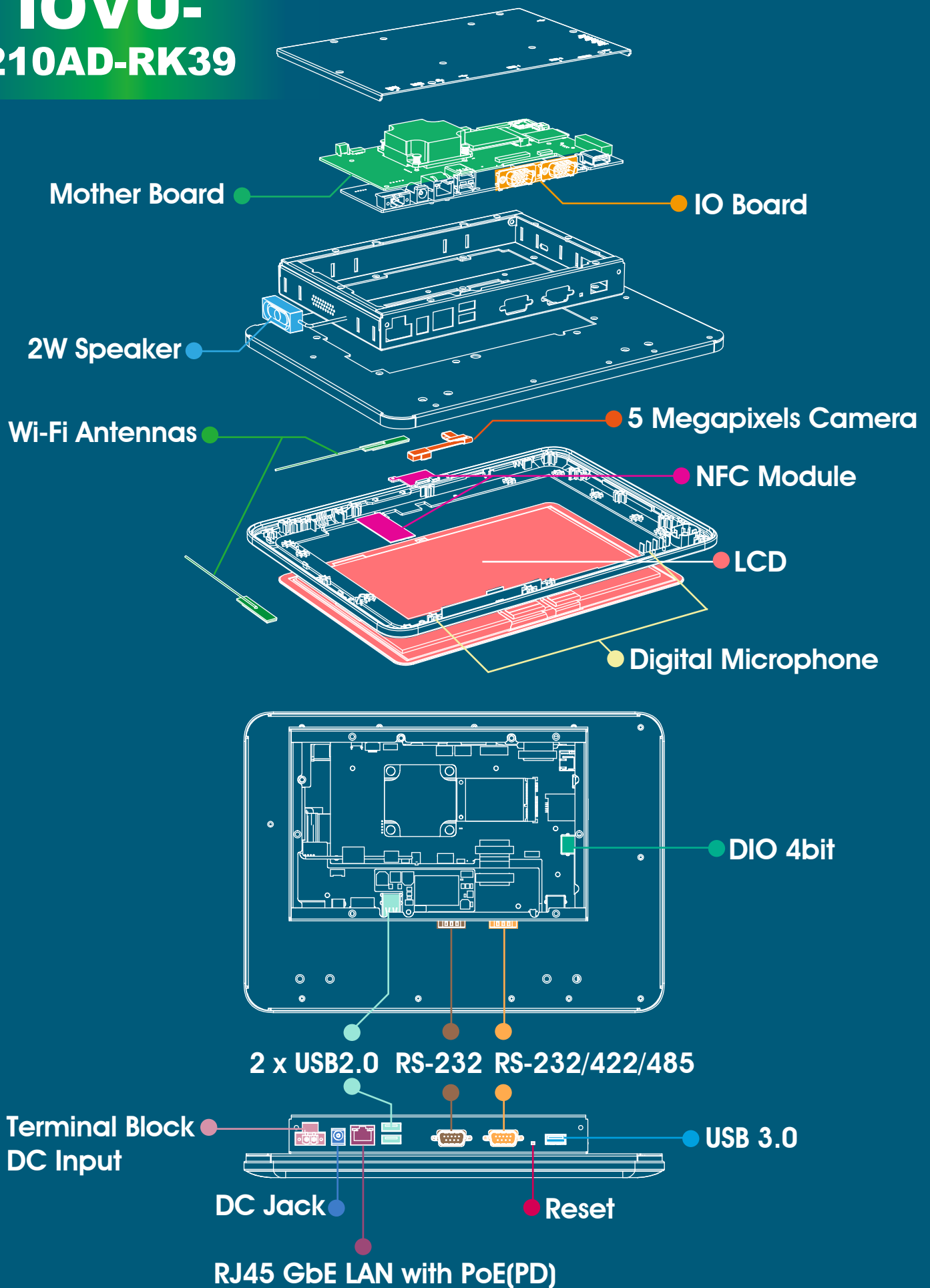
Item	Part No.	Description
Power Adapter	63040-010060-120-RS	Vin:90~264VAC;60W;Φ2.5/Φ5.5/lock
ARM	ARM-11-RS	Flat Panel Monitor ARM
Stand	STAND-A12-RS	LCD MONITOR/PPC STAND
Wall Mount Kit	AFLWK-19B	Monitor Wall mounting kit with lock

IOVU-210AD-RK39 Dimensions

(Unit: mm)



IOVU- 210AD-RK39





Features

- 10.1" 1280x800 LCD
- Project Capacitive Touch Screen
- CPU: Rockchip RK3399 (Dual-core Cortex-A72 up to 1.8GHz + Quad-core Cortex-A53 up to 1.5GHz)
- OS: Android 7.1
- Boot Flash: 16GB eMMC Nand Flash
- RAM: 2GB LPDDR3-1866
- Grove Interface IOT Sensor connectors



Specifications

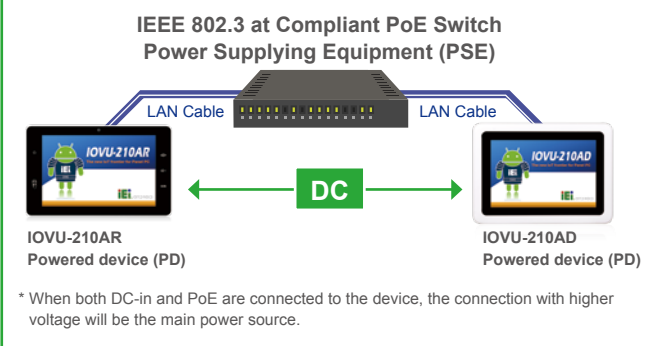
Model		IOVU-210AR-RK39
Chassis	Color	White
	Dimensions (WxHxD) (mm)	282.5 x 174.3 x 26.8
	System Fan	Fanless
	Chassis Construction	PC + ABS plastic
Display	Size	10.1"
	Resolution	800(RGB) x 1280
	Brightness (cd/m ²)	250 cd/m ² (typ.)
	Contrast Ratio	800:1 (typ.)
	Pixel Pitch (mm)	0.0564 (H) × RGB × 0.1692 (V)
	Viewing Angle (H/V)	85/85/85/85 Deg.
	Touchscreen	Project Capacitive
Motherboard	CPU	Rockchip RK3399 (Dual-core Cortex-A72 up to 1.8GHz + Quad-core Cortex-A53 up to 1.5GHz)
	System Memory	2GB LPDDR3-1866
Storage	SD Card	1 x Micro SD slot
	Flash	16GB eMMC NAND FLASH
Communication	WLAN	802.11 a/b/g/n/ac
	Bluetooth	Bluetooth V4.1
	RFID	13.56 MHz ISO4443 A/B, read-write capable, ISO 14443A (MIFARE), ISO 14443B (FeliCa)
I/O Interfaces	COM port	1 x RS-232 (4 pin wafer connector) 1 x RS-232/422/485 (4 pin terminal block) 2 x UART pin header with 3V (internal)
	GPIO	1 x 4 bit (2 in, 2 out) 2 x 2 bit (1 in, 1 out)
	Ethernet	1 x GbE RJ45 by RTL8211E with PoE (PD) 1 x GbE RJ45 by RTL8211E
	USB 3.0	1 x USB 3.0 Type A
	USB 2.0	1 x USB 2.0 Type A 2 x USB 2.0 pin header (internal)
	Others	3 x I ² C sensor connectors (3V)
	Audio	2 x Speaker (1.5W), 1 x Digital Mic in
Multimedia	Camera	Front 5-megapixel (CMOS)
LED Indicator & Button	Indicator	1 x Power LED 1 x RFID LED
	Button	1 x Reset button
		2 x Volume key (up / down) on screen 1 x SOS key on screen
Power	Power Input	DC 9 V~30 V * DC input: φ2.5/5.5mm DC Jack * PoE: IEEE 802.3 at standard (Power Device)
	Power Consumption	12V @ 1.1A
Reliability	Mounting	Panel mount, In wall cage
	Operating Temperature	-10°C ~ 50°C with air flow
	Storage Temperature	-20°C ~ 60°C
	Humidity	10% ~ 90%, non-condensing
	Weight (Net)	0.85 kg
	Safety/EMC	CE/FCC Class B
OS	Supported OS	Android 7.1
	Watch dog timer	Yes

* When both DC-in and PoE are connected to the device, the connection with higher voltage will be the main power source.

Power over Ethernet supported

Both of data transfer and power supply through one single LAN cable.

- Simplify the construction.
- Dual power input design.



Ordering Information

Part No.	Description
IOVU-210AR-RK39-R10-TW	10.1" TFT-LCD; Rockchip 3399 Processor, 2GB LPDDR3, 16GB eMMC Flash, Camera, WIFI/BT, POE 802.3at, COM port, DIO, 4pin sensor connector, Front Camera, NFC, TW reg, ROHS
IOVU-210AR-RK39-R10-CN	10.1" TFT-LCD; Rockchip 3399 Processor, 2GB LPDDR3, 16GB eMMC Flash, Camera, WIFI/BT, POE 802.3at, COM port, DIO, 4pin sensor connector, Front Camera, NFC, CN reg, ROHS
IOVU-210AR-RK39-R10-EU	10.1" TFT-LCD; Rockchip 3399 Processor, 2GB LPDDR3, 16GB eMMC Flash, Camera, WIFI/BT, POE 802.3at, COM port, DIO, 4pin sensor connector, Front Camera, NFC, EU reg, ROHS
IOVU-210AR-RK39-R10-US	10.1" TFT-LCD; Rockchip 3399 Processor, 2GB LPDDR3, 16GB eMMC Flash, Camera, WIFI/BT, POE 802.3at, COM port, DIO, 4pin sensor connector, Front Camera, NFC, US reg, ROHS

Packing List

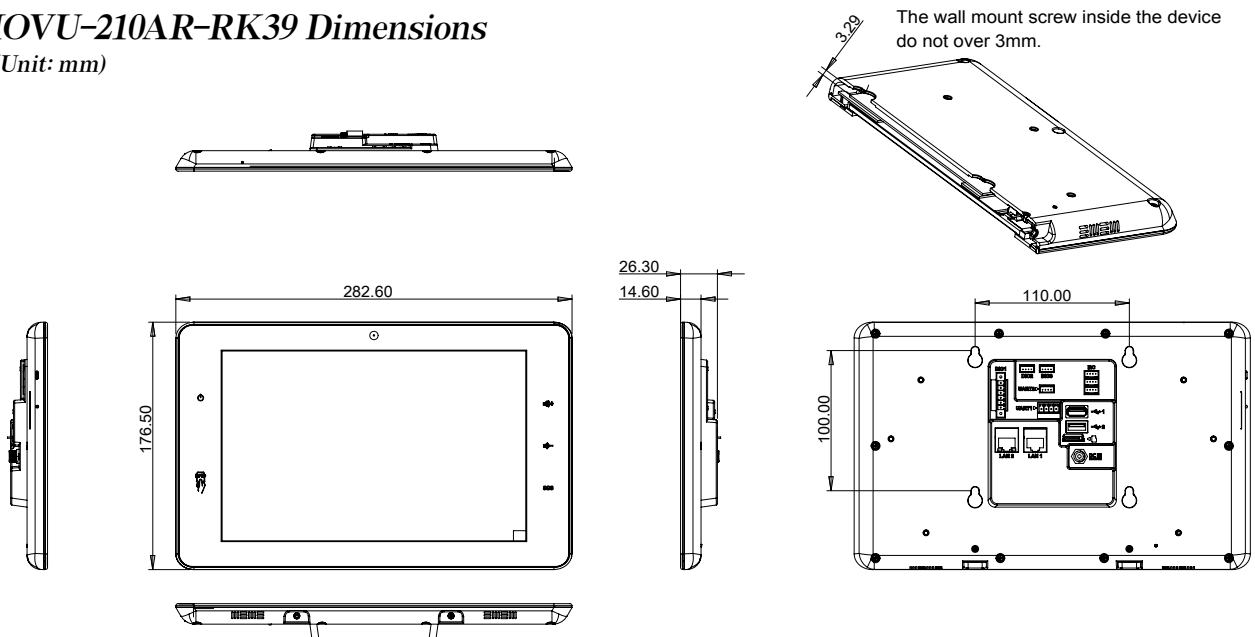
- 1 x IOVU-210AR Device
- 1 x Wall mount bracket
- 1 x Screw set

Options

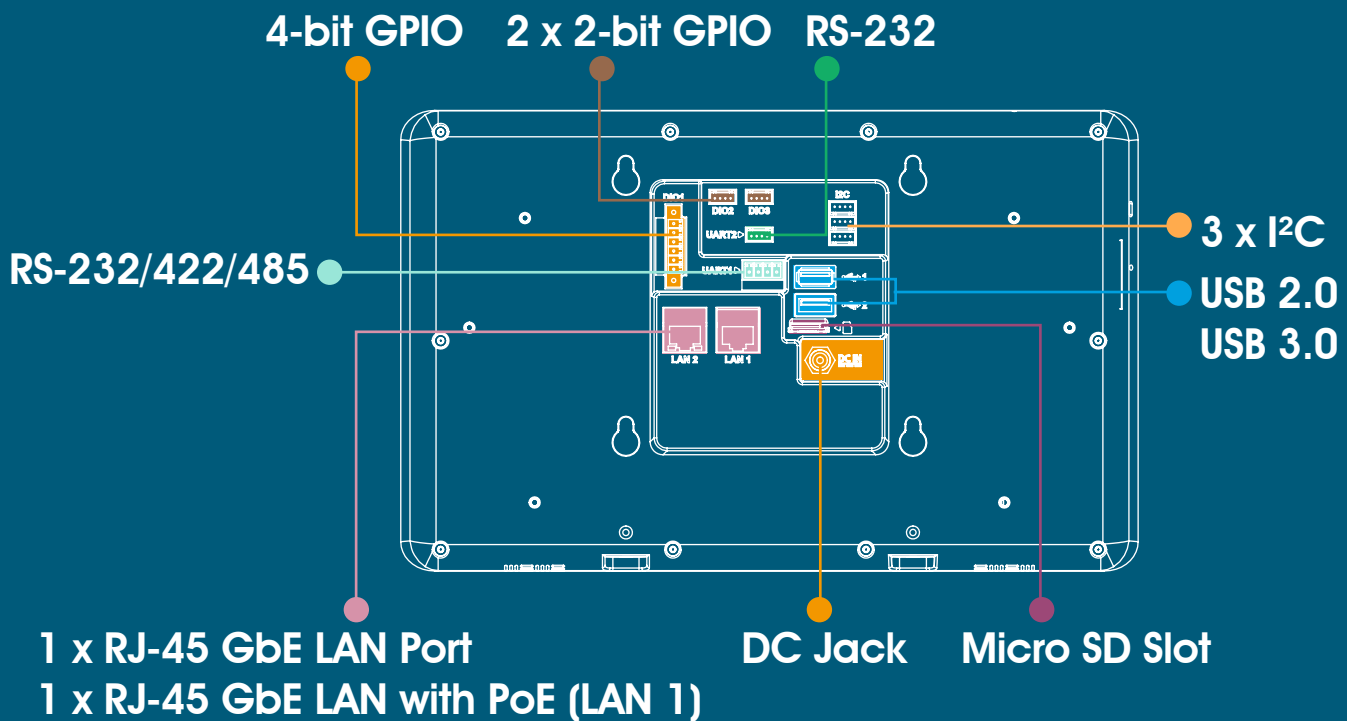
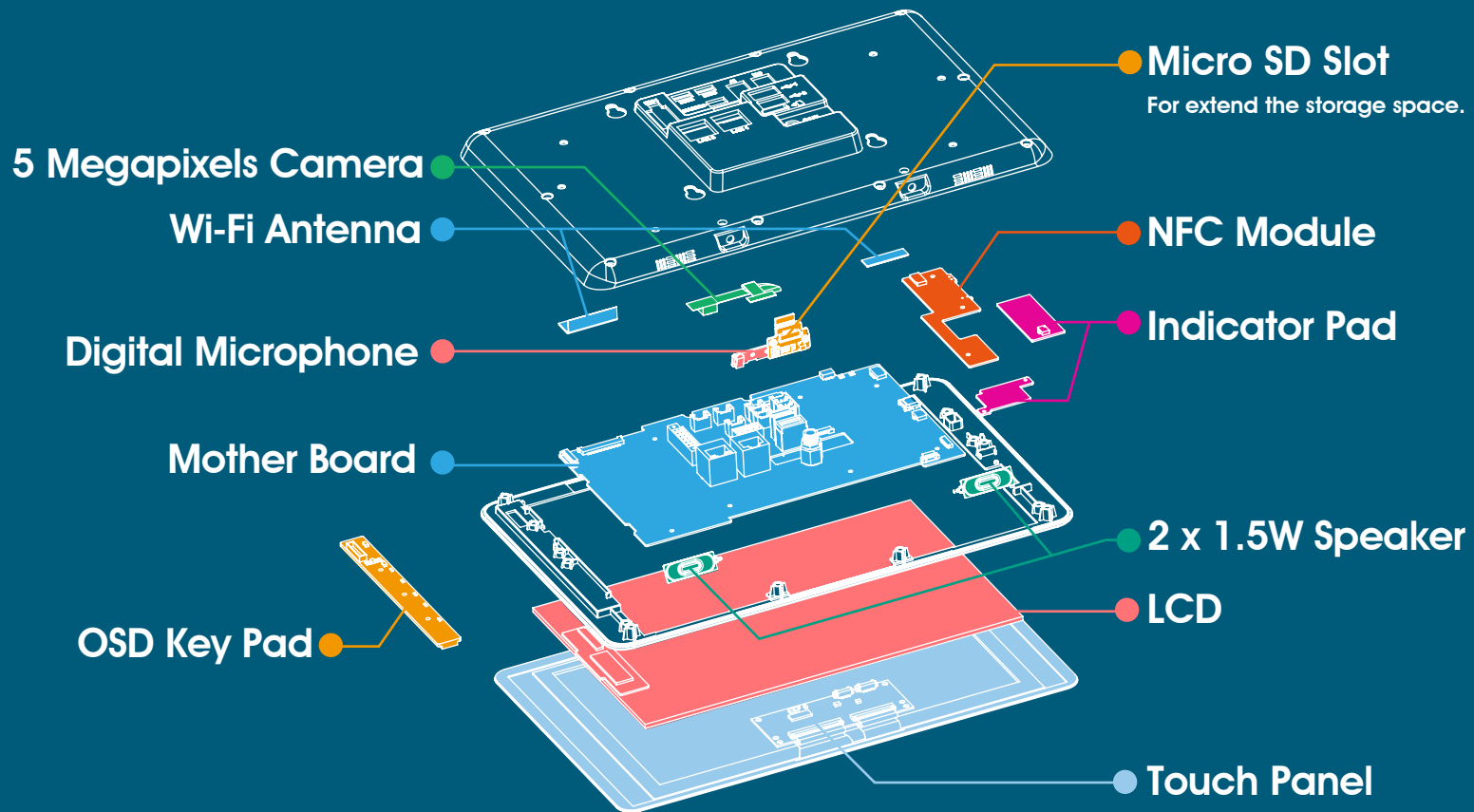
Item	Part No.	Description
Power Adapter	63040-010060-120-RS	Vin:90~264VAC;60W;Φ2.5/Φ5.5/lock
In Wall Cage	41320-0490E4-00-RS	In wall bracket for IOVU-210AR

IOVU-210AR-RK39 Dimensions

(Unit: mm)



IOVU- 210AR-RK39





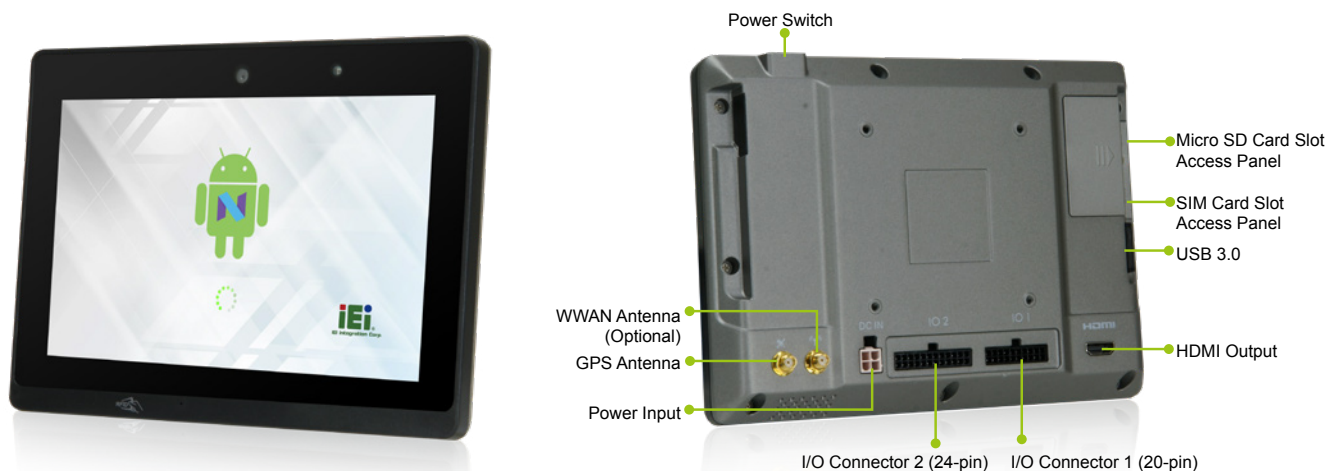
Features

- 8" sunlight readable TFT LCD with projected capacitive touchscreen
- Optional LTE module
- Built-in GPS receiver
- Built-in OBD-II/J1939
- OS: Android 7.1



Specifications

Model Name		AFOKAR-08A-RK39
Chassis	Color	Black C + Silver
	Dimensions (WxHxD) (mm)	210 x 154 x 33.9
	System Fan	Fanless
	Chassis Construction	PC + ABS plastic
Display	Size	8"
	Resolution	800(RGB) × 1280
	Brightness (cd/m ²)	500 cd/m ² (typ.)
	Contrast Ratio	800 : 1 (typ.)
	Pixel Pitch (mm)	0.13455(H) × 0.13455(V)
	Viewing Angle (H/V)	85/85/85/85 Deg.
Motherboard	CPU	Rockchip RK3399 (Dual-core Cortex-A72 up to 1.8GHz + Quad-core Cortex-A53 up to 1.5GHz)
	System Memory	2GB LPDDR3-1866
Storage	SD Card	1 x Micro SD slot
	Flash	16GB eMMC NAND FLASH
Communication	WLAN	802.11 a/b/g/n/ac
	Bluetooth	Bluetooth V4.1
	WWAN	PCIe Mini LTE (optional)
	RFID	13.56 MHz ISO4443 A/B, read-write capable, ISO 14443A (MIFARE), ISO 14443B (FeliCa)
	GPS	On board GPS
I/O Interfaces	20-pin Connector	** 1 x OBD-II/J1939 ** 1 x USB 2.0
	24-pin Connector	** 1 x Audio out ** 1 x RS-232 ** 1 x RS-485
	USB 3.0	** 4-bit digital I/O with isolation (2-bit input, 2-bit output) 1 x USB 3.0 Type A
	Display	1 x HDMI output
	SIM	1 x on board SIM card slot
	Antenna	1 x GPS, 1 x WWAN
	PCIe Mini	1 x Full-size PCIe Mini (reserved for WWAN)
Multimedia	Speaker	1 x Speaker (2 W)
	Camera	5-megapixel CMOS
LED Indicator & Button	Indicator	Power/BT/Wi-Fi/WWAN
	Button	1 x Power button
Power	Power Input	DC 9 V~30 V, 4 pin connector (with ACC Ignition)
	Power Consumption	12V @ 1.2A
Reliability	Mounting	VESA Mount 75mm x 75mm
	Operating Temperature	-10°C ~ 50°C with air flow
	Storage Temperature	-20°C ~ 60°C
	Humidity	10% ~ 90%, non-condensing
	Operating Shock	Half-sine wave shock 5G, 11ms, 3 shocks per axis
	Operating Vibration	MIL-STD-810F 514.5C-2
	Weight (Net)	0.77 kg
	Safety/EMC	CE/FCC/E-Mark/IP 54 compliant front panel
OS	Supported OS	Android 7.1
	Watch dog timer	Yes



Ordering Information

Part No.	Description
AFOKAR-08A-RK39-R10-TW	8" 500 cd/m ² , Android 7.1 In Vehicle Panel PC with Rockchip 3399 Processor, 2GB LPDDR3 , 16GB eMMC Flash, GPS, WIFI/BT, OBD II, 5M Camera, RFID Reader, TW reg, ROHS
AFOKAR-08A-RK39-R10-CN	8" 500 cd/m ² , Android 7.1 In Vehicle Panel PC with Rockchip 3399 Processor, 2GB LPDDR3 , 16GB eMMC Flash, GPS, WIFI/BT, OBD II, 5M Camera, RFID Reader, CN reg, ROHS
AFOKAR-08A-RK39-R10-US	8" 500 cd/m ² , Android 7.1 In Vehicle Panel PC with Rockchip 3399 Processor, 2GB LPDDR3 , 16GB eMMC Flash, GPS, WIFI/BT, OBD II, 5M Camera, RFID Reader, US reg, ROHS
AFOKAR-08A-RK39-R10-EU	8" 500 cd/m ² , Android 7.1 In Vehicle Panel PC with Rockchip 3399 Processor, 2GB LPDDR3 , 16GB eMMC Flash, GPS, WIFI/BT, OBD II, 5M Camera, RFID Reader, EU reg, ROHS

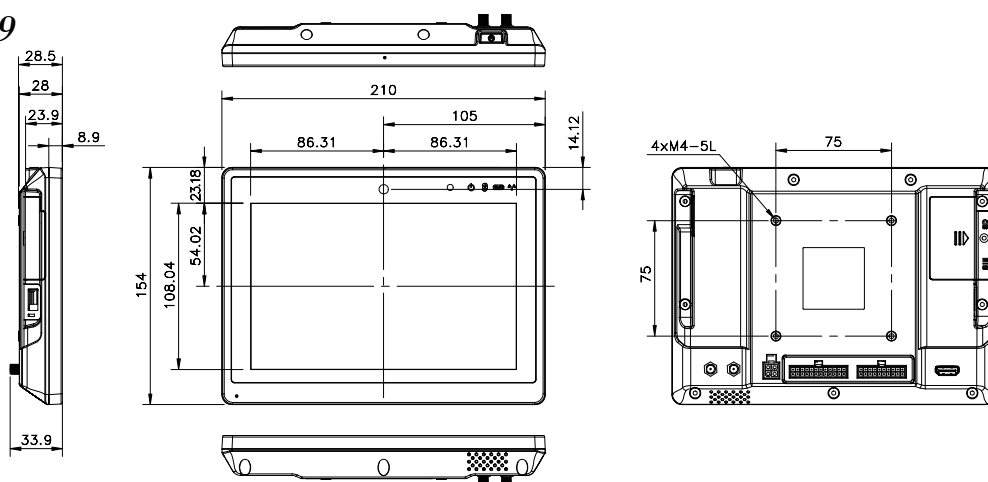
Packing List

1 x AFOKAR Device

Options

Item	Part No.	Description
Power Adapter	IVIPOWER-4PIN-R10	Adapter PowerWith 4 pins transfer cable, RoHS
Cigarette Lighter Power Cable	32002-004000-100-RS	CAR CIGARETTE LIGHTER CABLE
VESA Mount Stand	IVI-MK03-R10	138mm 75x75 VESA mount stand
VESA Mount Stand	IVI-MK04-R10	286mm 75x75 VESA mount stand
OBDII Cable	32025-003400-100-RS	OBDII CABEL;2;2000MM;24AWG;(A)OBD2-16P MALE;(B)D-SUB 9PIN FEMALE
ACC Power Cable	32002-001900-100-RS	Vehicle battery to device power cable;3000MM;16AWG
GPS/LTE Antenna	32506-000500-100-RS	Magnetic Antenna Base_GPS+GLOANSS & 3G/LTE 2 In 1 Antenna;RG 174;5000MM
I/O Connector (20 pin)	32024-003800-100-RS	1 x DB-9 for OBD-II/J1939, 1 x USB 2.0 TYPE A
I/O Connector (24 pin)	32124-004400-100-RS	1 x Audio line-out (R+L), 1 x RS-232, 1 x RS-485,1 x terminal block 4 bit digital I/O
LTE module	27552-000004-RS	WCDMA/HSPA+/LTE;SIM7500SA

AFOKAR-08A-RK39 Dimensions (Unit: mm)



AFOKAR- 08A-RK39

