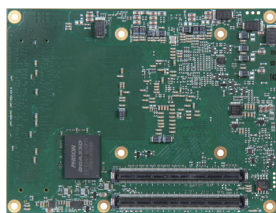
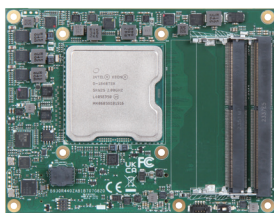


PCOM-B707GT

COM Express Type 7 Basic Module based on Intel® Xeon® D-1800 Processors with Two Channels and Two SO-DIMM slots.



FEATURES

- Intel® Xeon® D-1800 Refresh Series Processors
- DDR4 ECC / Non-ECC SDRAM up to maximum capacity 64GB and maximum data rate 2933 MT/s
- 4x 10GBASE-KR port (Selected SKUs) and Real Time Support
- Capable of Industrial temperature -40°C to 80°C (only for eTemp SKUs)
- Support Intel® QAT Technology



PCOM-B707GT, a COM Express® Type 7, basic size module based on Intel® Xeon® D-1800 Family. It is high-performance SoC with integrated Ethernet and high-capacity I/Os for IoT to deliver server-class computing. PCOM-B707GT provide server-grade performance in small form factor with option from 4 cores up to 10 cores, two channels DDR4, and full COMe Type 7 I/O support. PCOM-B707GT is the best platform for edge AI computing and software defined networking (SDN) applications.

General

Product	PCOM-B707GT					
Form Factor	COM Express® Type7 Basic Size (125 X 95mm)					
Processor	Network and Enterprise (0°C to 60°C)				Extended Temperature (-40°C to 80°C)	
	D-1844NT	D-1823NT	D-1813NT	D-1735TR	D-1848TER	D-1715TER
Core	10	6	4	8	10	4
Freq.	2.0 GHz	2.8 GHz	2.2 GHz	2.4 GHz	2.0 GHz	2.4 GHz
Turbo	3.1 GHz	3.5 GHz	2.4 GHz	3.5 GHz	3.1 GHz	3.5 GHz
Cache	15 MB	10 MB	10 MB	15 MB	15 MB	10 MB
Processor TDP	55W	55W	42W	59W	57W	50W
Intel® QuickAssist Technology (Intel® QAT)	Yes	Yes	Yes	No	No	No
Intel® Time Coordinated Computing (Intel® TCC)	No	No	No	Yes	Yes	Yes
Intel® Deep Learning Boost (Intel® DL Boost) on CPU	Yes	Yes	Yes	Yes	Yes	Yes
Ethernet 10G KR	4	4	4	4	4	4
BIOS	AMI BIOS					
ECC	Yes					
Storage	NVMe 1TB	NVMe 256GB	N/A	NVMe 256GB	NVMe 1TB	N/A
Memory	2x SO-DIMM DDR4 up to 64GB 2933 MT/s					

I/O Interface

SATA / Storage	2x SATA III
USB	4 x USB 3.2 Gen1 & 4 x USB 2.0
Ethernet	Intel® I226LM / Intel® I226IT
Serial I/O	GPIO: 8 GPIO
	I²C: Baud Rate: 400KHz
	SMBus: Baud Rate: 100KHz
	UART: 2 Serial Port (Tx/Rx)
PCI Express	16x PCIe 3.0 Lanes 16x PCIe 4.0 Lanes
Security	TPM 2.0

MECHANICAL & ENVIRONMENT

Dimension	125 x 95 mm
Power DC IN	Normal : +12V DC AT/ATX Mode
Storage Temperature	-40°C to 80°C
Operating Temperature	-40°C to 80°C (Selected SKU) 0°C to 60°C
Certification	Contact us
MTBF	Contact us
Vibration	Contact us
OS	Windows 10 IoT Enterprise
	Windows Server
	Linux

ORDERING GUIDE

Product	Ordering P/N	Status
PCOM-B707GT-D1848TER	AB1-3S77	Available
PCOM-B707GT-D1844NT	AB1-3S76	Available
PCOM-B707GT-D1823NT	AB1-3S75	Available
PCOM-B707GT-D1813NT	AB1-3S74	Available
PCOM-B707GT-D1735TR	AB1-3S73	Available
PCOM-B707GT-D1715TER	AB1-3S72	Available
Accessory	Ordering P/N	Status
Cooler	B9972180	Available
Heat Sink	B830C060	Available
Heat Spreader	B830C070	Available
PA-C3L-D17 (Ethernet PHY Card)	AB9-3439Z	Available
PCOM-C701-BMC (ATX Carrier board)	AB1-3K14Z	Available

BLOCK DIAGRAM

PCOM-B707GT

