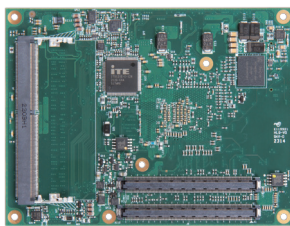
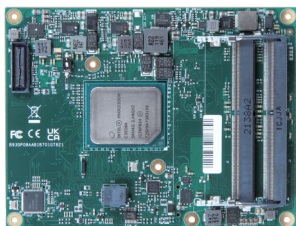


PCOM-B701GT

Intel® Atom® C3000/C3000-Refresh series SoC based on Type 7 Basic COM-Express® module with 3x DDR4 ECC SO-DIMM Socket



FEATURES

- Intel® Atom® C3000 Refresh series processors
- DDR4 ECC SDRAM up to maximum capacity 96GB and maximum data rate 2400 MT/s
- 4x 10GBASE-KR port (Selected SKUs) and NC-SI Support
- Capable of Industrial temperature -40°C to 85°C (only for eTemp SKUs)
- Support Intel® QAT Technology



PCOM-B701GT, a COM Express® COM.0 R3.0 basic size type 7 module, is developed by Portwell Taiwan aiming at Networking and IOTG application. The module implements Atom® C3000 Refresh series processors. It offers connectivity interface such as 4x 10GbE KR, 1x PCIe Gen 3.0 x8, 2x USB 3.0, 4x USB 2.0, and 2x SATA III I/O expansion, it also supports Intel® QuickAssist Technology (Intel® QAT), NC-SI, and extended temperature (-40°C to 85°C) by selected SKUs.

General

General						
Product	PCOM-B701GT					
Form Factor	Type 7, Basic Form Factor COM-Express® (125 x 95 mm)					
Processor	Network and Enterprise (0°C to 60°C)		Extended Temperature (-40°C to 85°C)			
	C3758R	C3558R	C3808	C3708	C3508	C3308
Core	8	4	12	8	4	2
Freq.	2.4 GHz	2.4 GHz	2.0 GHz	1.7 GHz	1.6 GHz	1.6 GHz
Turbo	N/A					2.1 GHz
Cache	16MB	8MB	16MB	12MB	8MB	4MB
Intel® QuickAssist Technology (Intel® QAT)	Yes					
Intel® QAT Speed	High	Medium	High	Medium	Low	Low
Intel® QAT Cryptographic Functions	Yes					
Intel® QAT Compression/Decompression	Yes					
Ethernet 10G KR	4	2	4	4	N/A	N/A
Processor TDP	26W	17W	25W	17W	11.5W	9.5W
BIOS	AMI BIOS					
ECC	Yes					
Storage	eMMC 5.0 onboard, default capacity 16GB (up to 64GB)					
Memory	3x SO-DIMM DDR4 up to 96GB 2400 MT/s		3x SO-DIMM DDR4 up to 96GB 2133MT/s		3x SO-DIMM DDR4 up to 64GB 1866MT/s	

I/O Interface

	I/O Interface		
SATA	2x SATA III	1x SATA III	1x SATA III
USB	2x USB 3.0	1x USB 3.0	N/A
Ethernet	Intel® I210AT	Intel® I210IT	
Serial I/O	GPIO: 8 GPIO		
	I²C: Baud Rate: 400KHz		
	SMBus: Baud Rate: 100KHz		
	UART: 2 Serial Port (Tx/Rx)		
PCI Express	1x PCIe Gen 3.0 x4 or 2 PCIe Gen 3.0 x2 and 1x PCIe Gen 3.0 x2 1x PCIe Gen3.0 x8 or 2x PCIe Gen3 x4 or 4x PCIe Gen3 x2		
Security	TPM 2.0		

Dimension	125 x 95mm
Power DC IN	Normal : +12V AT Mode
Storage Temperature	-40°C to 85°C
Operating Temperature	-40°C to 85°C (C3808 & C3708 & C3508 & C3308) 0°C to 60°C (C3758R & C3558R)
Certification	Contact us
MTBF	Contact us
Vibration	Contact us
OS	Windows Server
	Ubuntu, Fedora, Yocto, CentOS, FreeBSD
	Red Hat Enterprise, SUSE SUSE, Wind River

Product	Ordering P/N	Status
PCOM-B701GT-C3808	AB1-3H90	Contact us
PCOM-B701GT-C3708	AB1-3H89	Contact us
PCOM-B701GT-C3508	AB1-3H86	Contact us
PCOM-B701GT-C3308	AB1-3J01	Contact us
PCOM-B701GT-C3758R	AB1-3P54	Contact us
PCOM-B701GT-C3558R	AB1-3P55	Contact us
Accessory	Ordering P/N	Status
Cooler	B9972070	Available
Heat Sink	B830B710	Available
Heat Spreader	B830B720	Available
PCOM-C701 (ATX Carrier board)	AB1-3J61Z	Available
PCOM-C701-BMC (ATX Carrier board)	AB1-3K14Z	Available

-40° C ~ +85° C
(Selected SKUs)

