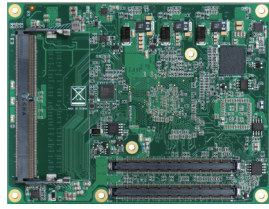
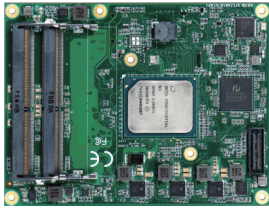


PCOM-B701GT

Intel® Atom® processor C3000 Series with DDR4 ECC up to 96GB 2400 MT/s on Three SO-DIMM Sockets with up to 20 HSIO Lanes, 4x KR to support 10G, NC-SI Interface, SATA III, TPM 2.0, USB 2.0 and 3.0



FEATURES

- Intel® Atom® Processors C3000 Series (Denverton)
- DDR4 1866/2133/2400 MT/s ECC up to 96GB
- Up to 20 HSIO Lanes (based on CPU sku)
- High-speed Ethernet, 4x 10GbE and 1x GbE interfaces (based on CPU sku)
- Wide-Temp (-40°C to 85°C by selected sku) Support



PCOM-B701GT, a Type 7 COM Express module, is designed with Intel® Atom® processor. Based on the COM Express 3.0 Type 7 pinout definition, when compared to the Type 6 pinout, trades all the graphic interfaces for 10 GbE ports and more PCIe lanes, makes PCOM-B701GT ideal for applications in networking, micro server and the like, requiring low power consumption while supporting high computing performance and communication throughput.

PCOM-B701GT features four 10GbE LAN interfaces, 20 PCIe Lanes, TPM 2.0 and three DDR4 ECC SO-DIMM up to 96GB in total. It is compatible with Type 7 carrier board.

General

Product	PCOM-B701GT						
Form Factor	Type 7, Basic Size Form Factor COM Express® (125 X 95mm)						
Processor	Intel® Atom®						
	C3308	C3338	C3508	C3538	C3708	C3758	C3808
Core	2	2	4	4	8	8	12
Freq.	1.60 GHz	1.50 GHz	1.60 GHz	2.20 GHz	1.70 GHz	2.20 GHz	2.00 GHz
Turbo	2.10 GHz	2.20 GHz	1.60 GHz	2.20 GHz	1.70 GHz	2.20 GHz	2.00 GHz
Cache	4MB	4MB	8MB	8MB	16MB	16MB	12MB
Processor Graphics	N/A						
Graphics Base Frequency							
Graphics Max Dynamic Frequency							
HW Encoding							
HW Decoding							
HW Acceleration							
Processor TDP	9.5W	8.5W	11.5W	16W	17W	25W	25W
BIOS	AMI BIOS						
ECC Memory Supported	Yes						
Memory	1x SO-DIMM DDR4 up to 32GB 1866 MT/s	3x SO-DIMM DDR4 up to 96GB 1866 MT/s	3x SO-DIMM DDR4 up to 96GB 2133 MT/s	3x SO-DIMM DDR4 up to 96GB 2133 MT/s	3x SO-DIMM DDR4 up to 96GB 2400 MT/s	3x SO-DIMM DDR4 up to 96GB 2133 MT/s	3x SO-DIMM DDR4 up to 96GB 2133 MT/s

I/O Interface

SATA	2x SATA III (1x SATA III for C3308, C3338 and C3508)	
USB	4x USB 2.0 4x USB 3.0 (No USB 3.0 for C3308, 1x USB 3.0 for C3508, 2x USB 3.0 for C3338)	
Ethernet	Intel® I210IT	
Serial I/O	GPIO	8 bit GPIO (4 in, 4out)
	I ² C	Frequency : 100kHz (Default) / 400kHz (available)
	SMBus	Frequency : 100kHz (Default) / 400kHz (available)
	UART	2x UART
PCI Express	C3308: 3x PCIe Gen3 x1 & 3x PCIe Gen2 x1 C3338: 2x PCIe Gen3 x2 & 1x PCIe Gen3 x1 & 3x PCIe Gen2 x1 C3508: 1x PCIe Gen3 x2 & 2x PCIe Gen3 x1 & 3x PCIe Gen2 x1 C3538: 3x PCIe Gen3 x2 & 3x PCIe Gen2 x1 C3708, C3758 & C3808: 1x PCIe Gen3 x8 & 2x PCIe Gen3 x2 & 3x PCIe Gen2 x1	
Security	TPM 2.0 (Option)	

MECHANICAL & ENVIRONMENT

Dimension	125x95mm
Power DC IN	12V DC IN AT/ATX mode
Storage Temperature	-40°C to 85°C
Operating Temperature	-40°C to 85°C
Certification	Contact us
MTBF	Contact us
Vibration	Contact us
OS	Windows 10 Pro, CentOS 7.6

ORDERING GUIDE

Product	Ordering P/N	Status
PCOM-B701GT-C3808	AB1-3H90Z	Available
PCOM-B701GT-C3758	AB1-3J94Z	Available
PCOM-B701GT-C3708	AB1-3H89Z	Available
PCOM-B701GT-C3538	AB1-3H96Z	Available
PCOM-B701GT-C3508	AB1-3H86Z	Available
PCOM-B701GT-C3338	AB1-3J02Z	Available
PCOM-B701GT-C3308	AB1-3J01Z	Available

Accessory	Ordering P/N	Status
Heat Sink	TBD	Contact us
Cooler	TBD	Contact us
PCOM-C701 (ATX Carrier Board)	AB1-3J61Z	Available
PCOM-C702 (ATX Carrier Board)	AB1-3J60Z	Available

BLOCK DIAGRAM

PCOM-B701GT

COM Express® Type 7
Compact Module 125x95mm

AT / ATX Mode

12VDC+/-20%

-40°C ~ +85°C
(Selected SKUs)

