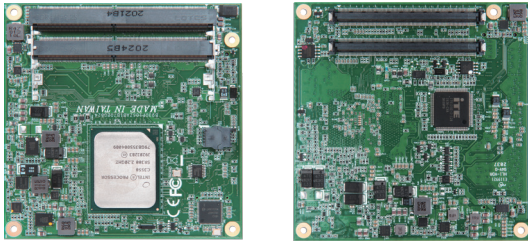


# PCOM-B702G

Intel® Atom® processor C3000 Series with DDR4 ECC up to 64GB 2133 MT/s on Two SO-DIMM Sockets with up to 12 HSIO Lanes, 4x KR to support 10G, NC-SI Interface, SATA III, USB 2.0 and 3.0



## FEATURES

- Intel® Atom® Processors C3000 Series (Denverton)
- DDR4 1866/2133 MT/s ECC up to 64GB
- Up to 12 HSIO Lanes (based on CPU sku)
- High-speed Ethernet, 4x 10GbE (based on CPU sku) and 1x GbE interfaces
- Wide-Temp (-40°C to 85°C by selected sku) Support



PCOM-B702G, 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-B702G ideal for applications in networking, micro server and the like, requiring low power consumption while supporting high computing performance and communication throughput.

PCOM-B702G features four 10GbE LAN interfaces (based on CPU sku) and DDR4 ECC SO-DIMM up to 64GB. It is compatible with Type 7 carrier board.

## General

Product	PCOM-B702G			
Form Factor	Type 7, Compact Size Form Factor COM Express® (95 X 95mm)			
Processor	Intel® Atom®			
	C3308	C3338	C3508	C3558
Core	2	2	4	4
Freq.	1.60 GHz	1.50 GHz	1.60 GHz	2.20 GHz
Turbo	2.10 GHz	2.20 GHz	1.60 GHz	2.20 GHz
Cache	4MB	4MB	8MB	8MB
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
BIOS	AMI BIOS			
ECC Memory Supported	YES			
Memory	1x SO-DIMM DDR4 up to 32GB 1866 MT/s		2x SO-DIMM DDR4 up to 64GB 1866 MT/s	2x SO-DIMM DDR4 up to 64GB 2133 MT/s

## I/O Interface

SATA	1x SATA III (2x SATA III for C3558)	
USB	1x USB 3.0 (2x USB 3.0 for C3338 and C3558) 4x USB 2.0	
Ethernet	Intel® I210IT	
Serial I/O	GPIO	8 bit GPIO (4 in, 4 out)
	I <sup>2</sup> C	Frequency:100kHz (Default) / 400kHz (available)
	SMBus	Frequency:100kHz (Default) / 400kHz (available)
	UART	2x UART
PCI Express	C3308: 4x PCIe Gen3 x1 C3338: 1x PCIe Gen3 x4 & 3x PCIe Gen3 x1 C3508: 1x PCIe Gen3 x4 & 2x PCIe Gen3 x1 C3558: 1x PCIe Gen3 x4 & 3x PCIe Gen3 x1	
Security	N/A	

## MECHANICAL & ENVIRONMENT

Dimension	95 x 95mm
Power DC IN	12V DC IN AT mode
Storage Temperature	-40°C ~ 85°C
Operating Temperature	-40°C ~ 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-B702G-C3558	AB1-3H49	Available
PCOM-B702G-C3508	AB1-3J40	Available
PCOM-B702G-C3338	AB1-3H46	Available
PCOM-B702G-C3308	AB1-3H45	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-B702G

COM Express® Type 7  
Compact Module 95x95mm

AT Mode

12VDC+/-20%

-40° C ~ +85° C  
(Selected SKUs)

