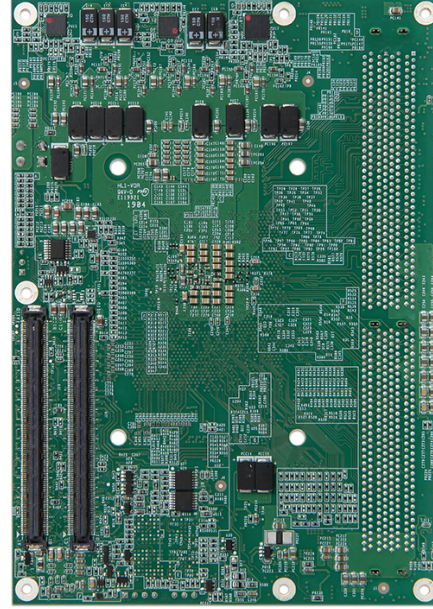
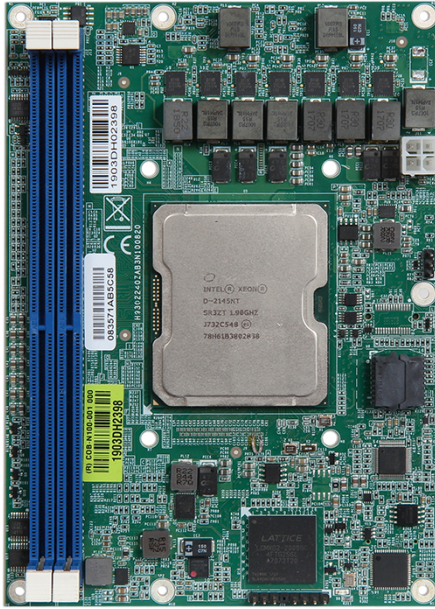


# PCOM-B703G

Intel® Xeon® processors D-2100 NT Skylake-D family, with 2x DDR4 ECC DIMM sockets, 32 PCIe Gen3 lanes re-arrangeable for different combination of PCIe x16/ x8/ x4/ x2/ x1



The PCOM-B703G, a Type 7 COM Express module, is designed with Intel® Xeon® processor D-2100 Skylake-D series. More specifically, based on the COM Express 3.0 specification's Type 7 pinout, when compared to the Type 6 pinout, trades all the graphics interfaces for four XGMII to support 10G ports, and more PCIe lanes, makes the PCOM-B703 ideal for applications in networking, micro server, switch, and communication appliance, requiring low power consumption while supporting high computing performance and communication throughput. The PCOM-B703 features four 10G management interfaces and two DDR4 DIMM sockets supporting up to 2667 MT/s and 128B ECC memory.

## FEATURES

- Intel® Xeon® processor D-2100 NT series
- DIMM DDR4 2667 ECC up to 128GB
- Support 4x USB3.0/2.0, 4x SATA III
- PCIe Gen 3 expansion (re-arrangeable for different combination of PCIe x16/ x8/ x4/ x2/ x1) up to 32 PCIe lanes
- Support High Speed Ethernet (4x XGMII/KR)

## GENERAL

<b>Form Factor</b>	Type 7, Extended Form Factor COM Express
<b>Processor</b>	Intel® Xeon® processor D-2100 NT Skylake series
<b>Memory</b>	Support up to 128GB DDR4 ECC up to 2667MHz DIMM
<b>BIOS</b>	AMI Aptio V
<b>Hardware Monitoring</b>	CPLD XO2 1200 / 2000
<b>Storage Devices</b>	2x SATA III 6.0Gb/s

## I/O INTERFACE

<b>Ethernet</b>	4x XGMII / KR to support 4x 10G
<b>PCIe Expansion</b>	1x PCIe x16 Gen3 8x PCIe x1 Gen3 2x PCIe x4 Gen3
<b>USB</b>	4x USB2.0 4 sets of SSRX/SSTX to support USB3.0
<b>Connector</b>	COM Express Connector x2, supports both 8mm and 5mm design
<b>Security</b>	TPM 1.2/2.0 (optional)
<b>Others</b>	SPI, LPC, SMBUS, GPIO (8-bit, programmable), I2C, UART x2

## Mechanical & Environment

<b>Dimension</b>	155mm x 110mm (6.10" x 4.33")
<b>Storage Temperature</b>	-20°C ~ 70°C (-29°F~21°F)
<b>Operating Temperature</b>	0°C ~ 60°C (-32°F~140°F)
<b>OS</b>	Microsoft Windows 7/8/8.1/10 Microsoft server 2012/2016 Linux Fedora 29/ Ubuntu 18.04/ CentOS 7
<b>Power</b>	+12V DC AT/ATX mode

\*All information provided is subject to change without notice. Last updated: July, 2020