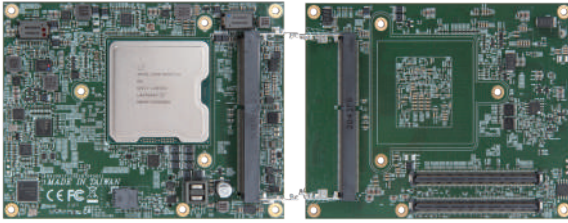


# PCOM-B704-GT

COM Express Type 7 Basic module with Intel® Xeon® D-1700 series Processor (Ice-Lake-D LCC)



Preliminary spec subject to change

## FEATURES

- Intel® Xeon® D-1700 Series Processor (Ice-Lake-D LCC)
- AI/Deep Learning Accelerate Data Analytics with Intel® AVX-512 and VNNI
- 4x USB2.0/3.2 Gen 2x1, 2x SATAIII, 4x 10G KR, 2x UART
- TDP 40w to 67w consumption
- Selected SKU support -40 to 85 °C wide temperature



PCOM-B704GT, a Type 7 COM Express® basic size(125 x 95 mm) module which based on Intel® Xeon® Ice-Lake-D LCC D-1700 series processors. It is compatible with COMe 3.0 standard. In this architecture, it could provide up to 10 cores processors within the TDP from 40w to 67w. A selected SKU support wide-temperature range. PCOM-B704GT features four 10GbE KR LAN interfaces, 16 PCIe 4.0 lanes and 16 PCIe 3.0 lanes, TPM 2.0 and two DDR4 SO-DIMM up to 64GB in total. Portwell wants to promote PCOM-B704GT as a vertical solution to aim in the different versatile applications, such as edge computing, automation, military, transportation and so on.

## General

Product	PCOM-B704GT
Form Factor	Type 7, Basic Form Factor COM-Express® ( 125 x 95 mm)
Processor	Intel® Xeon® D-1700 series
Processor Graphics	N/A
Graphics Base Frequency	N/A
Ethernet	Intel® I210IT
BIOS	AMI BIOS
ECC Memory Supported	Yes
Memory	2x DDR4 SO-DIMM up to 64GB 2933MT/s

## I/O Interface

SATA	2 x SATA III	
USB	4 x USB 3.2 Gen1/USB 2.0	
Ethernet	4x 10G KR 1x GbE LAN	
Serial I/O	GPIO	8 bit GPIO (Default 4 input/4 output)
	I <sup>2</sup> C	Frequency : 50kHz – 400kHz
	SMBus	Frequency : 100kHz – 1MHz
	UART	2 Serial Port (TX/RX signal only)
PCI Express	16x PCIe 3.0 16x PCIe 4.0	
Display	N/A	
Security	TPM 2.0, Intel®AES	

## MECHANICAL & ENVIRONMENT

Dimension	125 x 95 mm
Power DC IN	Normal: +12V DC AT/ATX mode
Storage Temperature	-40°C to 85°C
Operation Temperature	-40°C to 85°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-B704GT-XXXX	TBD	In Development

Accessory	Ordering P/N	Status
Cooler	TBD	In Development
Heat Spreader	TBD	In Development
Heat Sink	TBD	In Development



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