PCOM-C700G

ATX Form Factor Evaluation Carrier Board for Type 7 COM Express® Rev3.0 module with 4x 10GbE Support

FEATURES

- 4x 10GbE Support
- Consoles Redirection Support
- BMC AST2500 Support

Portwell PCOM-C700G is designed with ATX form factor with COM Express® Type VII row connectors; it's suitable for evaluation testing of Portwell's Type VII COM Express® modules with 4x USB 3.0, 28x PCIe lanes, 4x 10 Gigabit Ethernet, and BMC AST2500 support. Portwell is able to provide carrier board design guide for customer to design their carrier board as a reference. This can shorten customer's carrier board developing time and make the development quickly and easily. The PCOM-C700G provides COM Express® Type VII support in addition to suit wide range of device connectivity for prototype and flexibility.

General	
Product	PCOM-C700G
Form Factor	Type 7, ATX (305 × 244 mm)
Processor	Depends on Module
Core	
Freq.	
Turbo	
Cache	
Processor Graphics	
Graphics Base Frequency	
Graphics Max Dynamic Frequency	
HW Encoding	
HW Decoding	
HW Acceleration	
Processor TDP	
BIOS	
ECC Memory Supported	
Memory	

I/O Interface		
SATA	2 x SATA III	
USB	4 x USB3.0 (Depend on Module)	
Ethernet	4x 10GbE 1x Gbe	
Serial I/O	GPIO	8 GPIO
	I²C	Base on module design
	SMBus	Base on module design
	UART	2 x UART
PEG	1x PCIe x16	
PCI Express	1x PCIe x4 8x PCIe x1	
Display	VGA	2560 x 1536 @ 24bpp
Security	N/A	

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MECHANICAL & ENVIRONMENT

Dimension	305x244mm
Power DC IN	ATX
Storage Temperature	-40°C to 80°C
Operating Temperature	-40°C to 80°C
Certification	Contact us
MTBF	Over 100,000 hours at 40° C
Vibration	N/A
OS	Depends on Module

ORDERING GUIDE

Product	Ordering P/N	Status
PCOM-C700.Support TYPE VII. ATX Form Factor.COM Express® Carrier Board	AB1-3F19Z	available

BLOCK DIAGRAM