

PCI Express Interface Modules Gigabit Ethernet 2ch / 4ch

Base Specifications

Model type	PEX-H450102K	PEX-H450104K
Bus Requirements	PCI Express™ Base Specification Rev. 1.0a x1	
Number of slots	1 slot	
Memory Size	8KB + 256 bytes x 2	8KB + 256 bytes x 4
Number of I/O Ports	256 ports x 2	256 ports x 4
Data transfer method	DMA transfer	
Dimensions	165.00(D)×106.65(H) [mm]	
Weight	110g	130g
Power consumption	+3.3 Vdc (+/-0.3 V):1.3A (typ.)	+3.3 Vdc (+/-0.3 V):2.1A (typ.)
Environmental conditions	Operating temperature: 0 deg C to 50 deg C Relative humidity: 20% to 90% (non-condensing)	
Connectors	RJ-45 8-pin modular jack	
On-board connector	J0G-0001NL(Pulse Engineering, Inc.) or equivalent	
Acceptable cable connector	RJ-45 or equivalent	
MTBF	737713 hrs.	480441 hrs.

LAN Specifications

Model type	PEX-H450102K	PEX-H450104K
Number of channels	2 channels	4 channels
Cable standard	10BASE-T: Category 3 (min.)/2 pairs UTP cable 100BASE-TX: Category 5 (min.)/2 pairs UTP cable 1000BASE-T: Enhanced 5 (min.)/4 pairs UTP cable	
IEEE support	IEEE 802.3ab standard/IEEE 802.3u standard/IEEE 802.3 standard	
Transfer method	1000BASE-T / 100BASE-TX / 10BASE-T	
Transfer rate	1 Gbps / 100 Mbps / 10 Mbps Auto-negotiation	
Transmission length	100 m (max.)	
Controller	VT6122 (VIA Networking Technologies, Inc.) (teaming not supported)	
Buffer memory	Transmit: 16 KB Receive: 48 KB	
LEDs	Link mode LED, Data transfer mode LED	



Interface Amita Solutions, Inc.

E-mail: sales@amitasol.com

Website: <http://www.interface-amita.com>

All product specifications are subject to change without prior notice.

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