



NX-DEGX2-TA Data Sheet

Dual Port Gigabit Ethernet Controller for HP AlphaServers

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business partner



AlphaServer Dual Port Gigabit Ethernet Controller

For DS/ES/GS Series AlphaServer Systems

NEMONIX™ Engineering Inc. Dual Port Gigabit Ethernet controller for AlphaServers offers exceptional performance and is designed for easy plug-and-play installation utilizing an available 64 bit PCI or PCI-X slot. The Gigabit Ethernet controller offers increased networking capabilities for AlphaServers, and is 10/100 compatible. It does not interfere with the existing 100Mb port. The controller supports OpenVMS Alpha 7.3-2 and above. It may be installed utilizing Nemonix Engineering phone support, self installed, or we will work with your service provider. NEMONIX Engineering offers 9-5 installation and warrantee support during the 3 year warrantee period via phone. Combine this with your existing maintenance contract and you have the highest level of support possible. NEMONIX Engineering takes pride in offering superior products, backed by outstanding service and support.

Technical Specifications:

Interface Standard:	AlphaServer 64 bit PCI 33/66/100Mhz PCI-X 32/64-bit, 66/133MHz
Bus Architecture:	PCI-X bus-mastering, compatible with existing PCI bus
Dimensions:	PCI Short card; 2.5" (63.5 mm) H x 6.6" (167.6 mm) L
Weight:	2.47 oz (70 grams)
PCI Card Type:	Universal 64 bit Card
PCI Voltage:	+5V (Min 4.75V, Max, 5.25V)
PCI Connector:	Universal / 64 bit
Holder:	Metal Bracket
Power Consumption:	1.6A at 5V: Typical all ports operate at 1000Mbit/s. 0.7A at 5V: Typical all ports operate at 100Mbit/s. 0.65A at 5V: Typical all ports operate at 10Mbit/s.
Operating Humidity:	0%–90%, non-condensing
Operating Temperature:	0°C – 50°C (32°F - 122°F)
Storage:	-20°C–65°C (-4°F–149°F)
Certifications:	FCC Part 15, Subpart B class B, CE EN 55022 CE EN 55024 CE EN 60950

Ethernet Specifications:

IEEE Standard / Network topology:	Gigabit Ethernet, 1000Base-T Fast Ethernet, 100Base-TX Ethernet, 10Base-T
Simplex / Full duplex operation	Support both Simplex & Full duplex operation in both operating speeds

Auto negotiation	Auto-negotiation between full duplex and simplex operations and between 10Mb/s 100Mb/s speeds and duplex 1000Mb/s.
Data Transfer Rate:	100 and 10 Mbits/sec in simplex mode per port 2000Mbit/s 200 and 20 Mbit/s in full duplex mode per port
Cabling:	10Base-T: Category 3, 4 or 5 UTP; 100Base-TX: Category 5 UTP; 1000Base-T: Category 5 UTP (or better)

LED/Connector Specifications:

LEDs	(3) LEDs per port Link Activity: Link: Turns on Activity: blinks 100Mbits/s 1000Mbit/s
LED location	LEDs are located on the PCB and are visible via holes in the metal bracket holder.
Connectors	(2) Shielded RJ-45

Contact NEMONIX™ Engineering Inc. for Further Information:

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