ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

**Artisan Technology Group**
(217) 352-9330 | sales@artisantg.com | artisantg.com

**Full-service, independent repair center**
with experienced engineers and technicians on staff.

**We buy your excess, underutilized, and idle equipment**
along with credit for buybacks and trade-ins.

**Custom engineering**
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

**Expert team | Trust guarantee | 100% satisfaction**

All trademarks, brand names, and brands appearing herein are the property of their respective owners.

Find the *Alta Technology PMC/GNIC3* at our website: *Click HERE*

# PMC/GNIC3™

Gigabit Ethernet Network Interface Card

A high performance network interface card, the PMC/GNIC3 is ideal for clustered or parallel systems. Designed for performance, interoperability, and ease of use, the PMC/GNIC3 allows 10 times the bandwidth of Fast Ethernet and uses the new Gigabit controller 82543GC from Intel.

The PMC/GNIC3 is compliant with the IEEE 802.3x full duplex and draft standard for Gigabit technology. The PMC/GNIC3 uses optical cabling which is highly reliable - even for long-range uses or in rugged environments.

**Throughput and CPU Availability**

The PMC/GNIC3 conforms to PMC standards and operates in both 64-bit and 32-bit bus machines at 33MHz and 66MHz. Host CPU off-loading optimizes efficiency. Frame buffers, RX and TX instructions pre-fetch, and transmit packet-chaining minimize host CPU utilization and reduces latency. Large external packet buffers maximize throughput by minimizing retransmission during extended bursts.

Intelligent interrupt algorithms reduce the number of host interrupts and latency. Data pipelining between the host and NIC in both RX and TX descriptor-based DMA processors stream data to and from the host memory without host intervention. Early receive interrupt allows packets to be processed based on host CPU availability.

**Installation and Operation:**

Easy to install, the PMC/GNIC3 comes with readily available drivers. In addition, a non-volatile flash memory on the card retains user configuration options.

**Drivers:**

- Windows 2000
- Windows NT 3.51, 4.0
- Novell Netware 3.x, 4.11, 4.2 & 5 (except 3.11)
- SunSoft Solaris 2.6, 7.0

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

- SCO UnixWare 2.1.2, 2.1.3, 7
- Linux 2.2.5 or later

**Specifications**

**Physical Dimensions**

- Length: 5.906" / 150 mm
- Height: 2.913" / 74mm

**Power Requirement**

- 1A @+5VDC

**Environmental**

- Operating Temperature: 0° to 55° C
- Humidity: 85% at +55° C

**Connectors**

- Multi-mode Fiber (62.5-50µm); SC connector
- Multi-mode Fiber (62.5-50µm); SFF connector

**IEE STandard/Network Topology:**

- 1000BASE-SX

**Network Management**

- DMI 2.0 Support, WMI & SNMP-manageable
- Office Diagnostics

**Advanced Software Features:**

- Adapter Fault Tolerance
- Adaptive Load Balanceing
- Giabit EtherChannel (when used with capable switch)
- Intel Link Aggregation (when used with capable switch)
- IEEE 802.3ad (when used with capable switch)

**Link Length**

- Up to 260 m using 62.5/125 um multi-mode fiber

**Link Indicators**

- Transmit
- Receive
- Link Valid

**Host Bus**

- PCI version 2.1 (64-bit at 33 MHz or 32-bit at 33 MHz bus)
- PMC version 2.0 (IEEE P1386.1)
- IEEE P802.3z Gigabit Ethernet
- IEEE 802.3x Full-Duplex Operation

**Memory**

- Non-volatile EEPROM retains user configuration options

**Adapter Product Features**

- Plug and play Specification Support
- Easy Installation, Intel PROSet Utililty
- Auto-negotiation, full-duplex capable
- PCI Buses supported

**Technical Features**

- Data Rate(s) Supported Per Port -- 100 Mbps
- Onbaord Memory 64KB
- Interupt Levels -- INTA
- IEEEE Support -- 802.2 & 802.3z
- Data Path Width 32-bit and 64-bit PCI
- Data Transfer Mode -- Bus-master DMA

- PCI Host Plug and Active PCI
- 802.1Q VLANs
- TCP Checksum Offload
- Intel Priority Packet, 802.1p
- Adaptive Performing Tuning
- Controller-Processor -- Intel 82543GC

**Artisan Technology Group** is an independent supplier of quality pre-owned equipment

## Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

## We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

## Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.

We're here to make your life easier. How can we help you today?

(217) 352-9330 | sales@artisantg.com | artisantg.com

ARTISAN® TECHNOLOGY GROUP