



## Artisan Technology Group is your source for quality new and certified-used/pre-owned equipment

- FAST SHIPPING AND DELIVERY
- TENS OF THOUSANDS OF IN-STOCK ITEMS
- EQUIPMENT DEMOS
- HUNDREDS OF MANUFACTURERS SUPPORTED
- LEASING/MONTHLY RENTALS
- ITAR CERTIFIED SECURE ASSET SOLUTIONS

### SERVICE CENTER REPAIRS

Experienced engineers and technicians on staff at our full-service, in-house repair center

### *InstraView*<sup>SM</sup> REMOTE INSPECTION

Remotely inspect equipment before purchasing with our interactive website at [www.instraview.com](http://www.instraview.com) ↗

### WE BUY USED EQUIPMENT

Sell your excess, underutilized, and idle used equipment. We also offer credit for buy-backs and trade-ins. [www.artisanng.com/WeBuyEquipment](http://www.artisanng.com/WeBuyEquipment) ↗

### LOOKING FOR MORE INFORMATION?

Visit us on the web at [www.artisanng.com](http://www.artisanng.com) ↗ for more information on price quotations, drivers, technical specifications, manuals, and documentation

**Contact us:** (888) 88-SOURCE | [sales@artisanng.com](mailto:sales@artisanng.com) | [www.artisanng.com](http://www.artisanng.com)

# PMC661



## [Specifications & Ordering](#)

The PMC661 is a PCI Mezzanine Card (PMC) card designed to offer maximum 100/10Mbit Ethernet connectivity. Using 100Base-TX the PMC661 is capable of full duplex operation in both 100 and 10 Mbit modes. PMC660 Ethernet/PCI engine includes a powerful DMA engine with very deep FIFO buffers. This assures continuous, full bandwidth operation with minimum PCI overhead.

### **Auto-Negotiation**

The PMC661 features full auto- negotiation facility allowing automatic configuration to the highest possible operating mode. This includes the option for automatic determination of both bandwidth and full duplex operation.

### **Low Cost, Effective Interconnect**

Two PMC661 boards can be directly cabled with a simple "cross-over". This configuration creates a full duplex 100Mbit dedicated data path - delivering good bandwidth at very low cost. More complex, dedicated interconnects can be created using a hub or switch. Note that both point-to-point, and switched hubs, in full duplex mode, remove many determinism concerns raised with traditional Ethernet solutions. This makes the PMC661 an excellent candidate for high performance interconnects that require real time determinism.

### **Software Support**

Ramix has software drivers for all popular operating systems (e.g. VxWorks, pSOS, LynxOS, Digital UNIX etc.). These drivers have been carefully designed and implemented to fit within the LAN protocol stack of the host operating system. Thus all facilities available from the host OS can be utilized across the PMC660. Ramix drivers allow user control over the PMC661 auto- negotiation capability, allowing direct control of operating parameters. Software license for one OS is included with each PMC660.

Copyright © 1997 Ramix, Inc.

# Functional Specifications

---

<b>I/O Connection</b>	Through front bezel opening
<b>Compatibility</b>	PCI REV. 2.1 IEEE 1386 (PMC) IEEE 802.3 ANSI 8802-3 100BaseTX/10BaseT

## Operating Systems

<b>Drivers</b>	VxWorks, pSOS, Lynx, Digital UNIX, etc.
----------------	---

## Electrical/Mechanical

<b>Power</b>	1.0A @ +5V
<b>Size</b>	IEEE 1386, Standard Single PMC card
<b>Operating Temperature</b>	0° C to +65° C
<b>Storage Temperature</b>	-40° C to + 80° C
<b>Relative Humidity</b>	5% to 95% (non-condensing)

## Ordering Information

---

When ordering specify the PMC661 model followed by operating system and processor architecture.

<b>Part Number</b>	PMC661
--------------------	--------

### Software Environment

(SEV) VxWorks (SED) Digital UNIX  
(SEL) LynxOS (SEO) OS9  
(SEP) pSOS (SEU) Custom

### Processor Architecture

(ARC) Power PC (AR6) R6000  
(AR8) 68K (ARA) ALPHA  
(ARS) SPARC (ARX) Custom

<b>Example</b>	PMC661-SEV-ARC// PMC661 in VxWorks environment on Power PC
----------------	--

Copyright © 1997 Ramix, Inc.



## Artisan Technology Group is your source for quality new and certified-used/pre-owned equipment

- FAST SHIPPING AND DELIVERY
- TENS OF THOUSANDS OF IN-STOCK ITEMS
- EQUIPMENT DEMOS
- HUNDREDS OF MANUFACTURERS SUPPORTED
- LEASING/MONTHLY RENTALS
- ITAR CERTIFIED SECURE ASSET SOLUTIONS

### SERVICE CENTER REPAIRS

Experienced engineers and technicians on staff at our full-service, in-house repair center

### *InstraView*<sup>SM</sup> REMOTE INSPECTION

Remotely inspect equipment before purchasing with our interactive website at [www.instraview.com](http://www.instraview.com) ↗

### WE BUY USED EQUIPMENT

Sell your excess, underutilized, and idle used equipment. We also offer credit for buy-backs and trade-ins. [www.artisanng.com/WeBuyEquipment](http://www.artisanng.com/WeBuyEquipment) ↗

### LOOKING FOR MORE INFORMATION?

Visit us on the web at [www.artisanng.com](http://www.artisanng.com) ↗ for more information on price quotations, drivers, technical specifications, manuals, and documentation

**Contact us:** (888) 88-SOURCE | [sales@artisanng.com](mailto:sales@artisanng.com) | [www.artisanng.com](http://www.artisanng.com)