

# Transduction

**TR-5001**



**TR-5001 TFT LCD Panel PC with Touch Screen**

## **Reliable Workstation with Single Board Computer for trouble free operation and ease of service**

### **TR-5001 NEMA 4 Panel Mount PC with 15" LCD Touch Screen**

This new panel mount PC offers 15" bright (250 cd/m<sup>2</sup>) TFT LCD display with touch screen capability and it has 6 backplane ISA/PCI expansion slots. Higher brightness LCD panels are also available.

Designed for use in power utilities, industrial process control and automation, the TR-5000 series panel PC/display can be configured with a variety of power supply options: 110/220 VAC or 12, 24, 48, 125, 250 VDC.

Powered by Intel Pentium 4 or Celeron processors with 800 Mhz FSB, this system can be supplied with slim CD-ROM\* and optional solid state drive. Two hard drives can be included with optional RAID1 ATA100 controller for redundant operation.

\*Slim DVD-ROM/CD-RW drive option is available.

Standard features include 2 x 100/1000 Mbps Ethernet ports, 2 serial ports and printer port.

TR-5001 is compatible with all Microsoft Windows and LINUX operating systems. QNX version with ATI RADEON SVGA is also available.

Priced at US \$2150 for a basic system, model TR-5001 panel PC is readily available from stock. Warranty is 3 years.

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### TR-5001 TFT LCD Panel PC with Touch Screen

#### SPECIFICATIONS:

- **Panel Mount Industrial PC**
  - **NEMA 4 Aluminum black front panel**  
Aluminum black baked powder epoxy panel
  - **Processor:** Socket 478 for Intel Pentium 4 or Celeron up to 3.6GHz with 800 MHz FSB  
*Support for Hyper Threading*
  - **15.0" TFT LCD Display:**  
Resolution 1024x768 (XGA)  
Backlight MTBF: 50,000 hours  
  
Contrast ratio: 350:1  
Brightness: 250 cd/m<sup>2</sup>  
500/800/1000/1700 cd/m<sup>2</sup> brightness sunlight read-able (optional)  
  
Resistive touch screen - USB
  - **System Memory:**  
2x184-pin DIMM sockets  
Max capacity: Up to 2GB DDR with ECC
  - **Expansion slots:**  
Seven slot backplane with one PICMG CPU card  
4 PCI, 2 ISA, 1 SBC
  - **Drive Bay:**  
2 x 3.5" HDD (RAID1 OK) or Flash Solid State Disk  
1 x 5.25 Slim size CD-ROM  
or 1 x 5.25 Slim DVD-ROM /CD-RW
  - **SVGA:** Intel 82865GV 16MB graphics card
  - **Ethernet:**  
2 x Intel Pro 100/1000+ Mbps Fast Ethernet ports
  - **SSD:** Supports high speed Flash SSD up to 128GB
  - **Watchdog timer:** 1 ~ 255 sec
  - **Air Flow:** Optimized air flow with 62 CFM (card cage) and 43 CFM (power supply) quality NIDEC fans
  - **I/O:**  
2 x Serial RS-232  
1 x Parallel  
  
2 x USB 2.0 (2 additional USB 2.0 available on request)  
2 x RJ-45 LAN Jack  
PS/2 Keyboard/mouse connector
  - **Software Compatibility:**  
LINUX and all versions of Microsoft Windows
- QNX version with ATI RADEON SVGA is also available
- **Power Supply:**  
Output rating: 300W  
Input voltage: 100~240VAC @ 47/63Hz  
  
Optional DC input power: 12V, 24V, 48V, 125V, 250V  
MTBF: 80,000 hrs  
  
Safety: UL/cUL/TUV/FCC/CE approved
  - **System Monitor** features include processor temperature, system temperature & DC power voltages
  - **Chassis Colors:** Black, OEM color optional
  - **Environmental Specifications:**  
Operating Temperature: 0° ~ 50°C (32 ~ 122°F), 60C (140F) for 2 hours  
Relative Humidity: 5 ~95%
  - **OEM Specifications Welcomed**
  - **Dimensions:**  
W. 17.25" x H. 14.25" x D. 6.4" (D. 6.25" behind front panel)  
N.W. 25.0 lbs, GW. 30.0 lbs, CUFT 6
  - **Warranty: 3 years**
- Additional Options Available:**
- 8U Rack Mount Adapter Bracket \$75  
Allows the TR-5001 to be mounted in a standard 19" rack configuration, includes 3 USB ports  
*NOTE: It is recommended that the Rear Access Floppy/CD Option is also used when using the Rack Mount Adapter Bracket*
  - 32 ~ 128GB high speed Flash SATA SSD
  - Rear Access Floppy/CD Option \$75  
Provides 3 rear accessible drive bays:  
1 x 5.25" for slim 24x CD-ROM  
2 x 3.5" for Floppy Drive and Hard Drive
  - Wall Mount Bracket \$125  
For Mounting the TR-5001 directly on to any wall space
  - IDE RAID1 Option  
Promise IDE RAID controller and two Seagate 7200RPM Barracuda hard drives
  - DC Power Supply Option  
300W high DC 125/250V input
  - Slim DVD-ROM 8x / CD-RW 24x24x24 drive instead of slim 24x CD-ROM