

# Transduction

TR-5190

TR-5190 TFT LCD Industrial PC w/ Touch Screen



## Reliable 19" Workstation with Single Board Computer for trouble free operation and ease of service

### TR-5190 NEMA 4 Panel Mount or Rack Mount PC with 19" LCD Touch Screen

This new PC offers 19" bright ( $250 \text{ cd/m}^2$  with contrast ratio 750:1) TFT LCD display with touch screen capability and has 6 backplane ISA/PCI expansion slots. Panel mount version is easily installed on panels with (no studs) TR-Fastclips. An 8U rack mount version is 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, printer port and 2 USB ports. Also features both internal LVDS and external SVGA ports that can operate at the same time.

TR-5190 is compatible with all versions of LINUX and Windows. QNX version is also available. 3 year warranty. Delivery is from stock.

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#### SPECIFICATIONS:

- **Panel Mount & Rack Mount Industrial PC**
  - **NEMA 4 Steel baked epoxy black front panel**  
Optional NEMA 4 Stainless Steel
  - **Processor:** Socket 478 for Intel Pentium 4 or Celeron up to 3.6GHz with 800MHz FSB  
*Support for Hyper Threading*
  - **19.0" TFT LCD Display:**  
Resolution 1280x1024 (XGA)  
Backlight MTBF: 50,000 hours  
Brightness: 250 cd/m<sup>2</sup>  
Contrast ratio: 750:1  
Resistive touch screen - USB
  - **System Memory:**  
2x184-pin DIMM sockets  
Max capacity: Up to 2GB DDR
  - **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:** 82865GV 16MB  
1600 x 1200 x 32-bit @ 60Hz
  - **Ethernet:**  
2 x Intel Pro 100/1000+ Mbps Fast Ethernet ports
  - **SSD:** Supports high speed Flash SSD up to 128GB
  - **Watchdog timer:** 1 ~ 256 sec
  - **Air Flow:** Optimized air flow with 62 CFM (card cage) and 43 CFM (power supply) quality NIDEC fans
  - **IO:**  
1 x internal XGA LVDS  
1 x external SVGA DB15  
2 x Serial RS-232  
1 x Parallel  
2 x USB 2.0  
2 x RJ-45 LAN Jack  
PS/2 Keyboard/mouse connectors
  - **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)  
Relative Humidity: 5 ~ 85%
  - **OEM Specifications Welcomed**
  - **Dimensions:**  
W. 17.75" x H. 15.25" x D. 6.4" (D. 8.00" behind front panel)  
Rack mount version is 8U high  
N.W. 32 lbs, G.W. 37 lbs, CUFT. 6
  - **Warranty: 3 years**
- Additional Options Available:**
- 9U Rack Mount version  
Allows the TR-5190 to be mounted in a standard 19" rack configuration, includes 3 USB ports  
*NOTE: Rear Access CD is used when using the Rack Bracket version*
  - Rear Access Floppy/CD Option  
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
  - 16 ~ 128GB high speed Flash SATA SSD
  - IDE RAID1 Option  
Promise IDE RAID controller and two Seagate 7200RPM Barracuda hard drives
  - DC Power Supply Option  
300W DC 12, 24, 48, 125, 250V
  - Slim DVD-ROM 8x / CD-RW 24x24x24 drive instead of slim 24x CD-ROM
- Order:**
- TR-5190-PM Panel Mount version
  - TR-5190-RM Rack Mount version
  - TR-3USB-1U 3x external USB rack mount ports