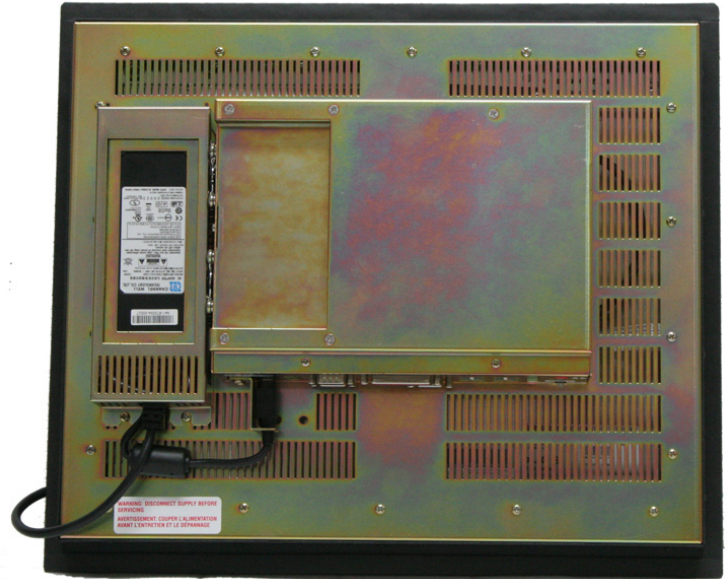


Transduction

TR-LCD1900-ITX-i5-V2

Intel Core Mobile i5 Processor Long Term Supply

TR-LCD1900-ITX-i5-V2 Industrial Panel/Rack PC w/ 19" LCD



The TR-LCD1900-ITX-i5-V2 NEMA 4 computer with 19" LCD has been designed for industrial applications that require long-term reliability. The design is based on the Intel i5 mobile processor, extending operating temperature range 0 ~ 60°C (32 ~ 140°F). Computer board has no processor fan. Power consumption with i5 2.6 GHz processor is only 24W. Two external redundant high quality low RPM air fans are used to extend operating range of temperature and to recirculate the air inside the industrial enclosure.

The ITX type industrial motherboard is based on the Intel QM67 with high performance 3D graphics based on Intel Core integrated HD graphics technology. This makes them ideal for use with the popular industrial HMI software such as Wonderware for Invensys or Genesis from Iconics. Intel i5 processor allows for speed applications that implement PID loops in their software.

This computer can be supplied with a 2.5" SATA hard drive and optional SLIM CD-R/W-DVD. Use of the flash disk in place of the hard drive is highly recommended to increase reliability of the computer for clients with limited data logging applications.

The input power is universal 100 to 240 VAC, 100W power adapter is supplied 50/60Hz and 400Hz.

Input power options include 12, 24, 48, 125 and 250VDC.

Warranty is 3 years with technical support for life.

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TR-LCD1900-ITX-i5-V2

Specifications

Model

- TR-LCD1900-ITX-i5-V2 NEMA 4 industrial half-fanless panel or rack mount computer with 19" LCD.

Processor

- Intel i5 Mobile 2.6GHz

Chipset

- Intel QM67 with integrated Intel Core HD Graphics Technology

BIOS

- Phoenix SecuCore

LCD Display

- Resolution - 1280 x 1024 (SXGA)
- Contrast ratio - 700:1
- Brightness - 300cd/m2
- LED Backlight MTBF < 50,000 hours
- USB Resistive touch screen or safety glass

Memory

- 2 x DDR3 SO-DIMM 1666MHz upto 16GB

LAN

- 2 x Intel 82574L Gigabit LAN

Display

- SVGA DB15 connector or DVI connector

Storage

- SATA III MLC 64GB or 120GB SSD. Optional 2.5" 1TB SATA hard drive

CD-DVD-R/W (Optional)

- SATA

Audio

- Realtek ALC888 HD Audio

External I/O Ports

- SVGA or DVI port, 2 x RJ-45 ports, 2 x RS232 serial ports, 1 x RS232/422/485 serial port, 4 x USB 2.0 ports, 1 x SPDIF and 1 x 2 channel audio

Watch-Dog Timer

- System reset programmable watchdog timer with 1 ~ 255sec time-out value

Weight/Dimensions

- Weight - 13kg (29 lbs)
- Dimensions - 15.250" (D) x 17.750" (W) x 3.995" (H) (4.625" with CD/DVD)

Operating Temperature

- 0 ~ 50°C (32 ~ 122°F), 60°C (140°F) for 2 hours

Operating Humidity

- Relative humidity 10 ~ 90%, non-condensing

Storage Temperature

- -20 ~ 85°C (-4 ~ 185°F)

Storage Humidity

- Relative humidity 45% max.

Environmental Rating

- NEMA 4 (front panel only)

Cooling

- 2 x redundant ball bearing air fans operating at only half rated speed

Power

- Universal AC/DC 100W power supply
- Optional DC power - 12, 24, 48, 125 and 250VDC

Shock & Vibration

- 25G and 5G

Applicable QA Standard

- ISO 9001:2015
- Safely packaged to standard ASTM-D3951

Warranty: 3 years with technical support for life

Compatible with Windows 10, Windows 7, Windows VISTA, Windows XP, Windows 2000, QNX and Linux kernel 2.4.16 or above

Electrical Safety Approval, CE and FCC Class A

Additional Options

- Safety glass in place of touch screen