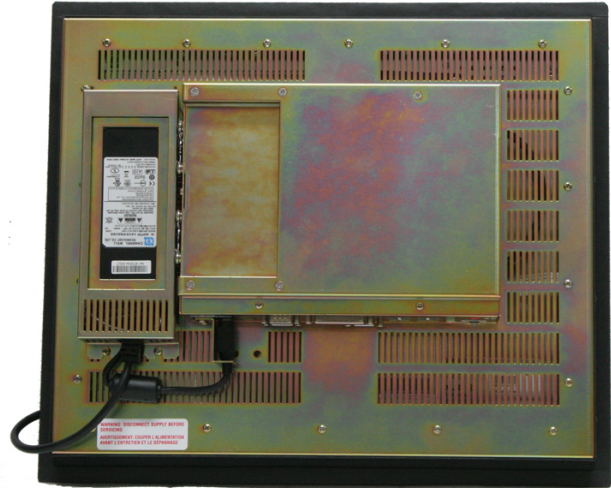


Transduction

Intel Core Quad i7 and i5 Processors

TR-LCD1900-ITX-i5/i7

TR-LCD1900-ITX-i5/i7 Industrial PC w/ Intel i-Series



MTBF Based On Our Service Records > 100,000 Hours

The TR-LCD1900-ITX-i5/i7 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/i7 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 QM77 with high performance 3D graphics based on Intel HD 4000 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/i7 processors allow 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.

TR-LCD1900-ITX-i5/i7

TR-LCD1900-ITX-i5/i7 Industrial PC w/ Intel i-Series

Specification

Model

- TR-LCD1900-ITX-i5/i7 NEMA 4 Industrial half fanless panel or rack mount computer with 19" LCD

Processor

- Intel i5 2.6GHz or i7 3.4GHz

Chipset

- Intel QM77 with Intel 4000 3D HD graphics

TFT LCD Display

- Resolution - 1280 x 1024 (SXGA)
- Backlight MTBF --> 50,000 hours
- Contrast Ratio - 700:1
- Brightness - 300cd/m²
- Resistive touch screen

BIOS

- Phoenix SecuCore

Memory

- 2 x DDR3 1666MHz up to 16GB

Ethernet

- 1 x Intel 82579LM Gigabit LAN with iATM 8.0 support
- 1 x Intel 82574L Gigabit LAN

Display

- SVGA DB15 connector or DVI 20-pin connector

Disk Storage

- 2.5" SATA hard drive 1000GB. Optional 64GB or 128GB flash drive with S.M.A.R.T. and SUPERCAP features

CD-DVD-R/W (Optional)

- SATA

Audio

- Realtek ALC888 high definition sound

Power Saving Mode

- Includes doze, standby and suspend modes, ACPI 3.0 compliant

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 3.0 ports and 1 x 2 channel audio

Watch-Dog Timer

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

Operating Temperature

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

Storage Temperature

- -20 ~ 85°C (-4 ~ 185°F)

Environmental Rating

- NEMA 4 (front panel only)

Cooling

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

Humidity

- Operating: relative humidity 10 ~ 95%, non-condensing
- Storage: relative humidity 45% max., non-condensing

Power Requirement

- 68W with i5 processor, 73W with i7 processor
- Includes universal AC 19VDC 100W power adapter
- Optional DC input 12, 24, 48 125 and 250VDC

Shock & Vibration

- 25G and 5G

Compliance: Electrical Safety Approval, CE and FCC Class B

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

Dimensions (PM version)

- 3.995" (4.625" with CD/DVD) (H) x 15.250" (D) x 17.750" (W)

Weight

- 13kg (29lbs)

Warranty: 3 years with technical support for life

Ordering Information

- TR-LCD1900-ITX-i5
- TR-LCD1900-ITX-i7