

Transduction

TR-ITX-DCD

Dual Core Duo Processor

TR-ITX-DCD Industrial Panel Mount PC



TR-ITX Industrial PC with Intel Dual Core Duo MEROM processor

This version of the TR-ITX computer has been designed for applications that require high performance and long-term reliability. The design is based on the Intel Dual Core Duo MEROM processor, which dissipates minimal amount of heat extending operating range of temperature to 60°C. Two ball bearing air fans are used to remove excess heat from the enclosure, which is necessary at higher clock speed of the Dual Core Duo processor.

The ITX type industrial motherboard is based on the Intel 945GM chipset, Intel GMA 950 SVGA and Intel 82537L Gigabit LAN. This computer can be supplied with a 3.5" 80GB hard drive and optional CD-R/W-DVD. Use of the Solid State flash disk in place of the hard drive is highly recommended to increase reliability of the system.

TR-ITX-DCD computer can be attached to any of the TR-LCD series 15", 19" and 20.1" monitors to become a rack or panel mount TR-LCDXX-PC with a touch screen. It connects with LCD screen via internal LVDS interface.

The input power is 12 VDC (8 to 21V) and universal 100 to 240 VAC 60W or 150W adapter is supplied, depending on the processors speed.

Pricing of the basic bare bone TR-ITX starts at \$599 to \$1300 for a fully configured system. Call us for OEM quantity discounts.

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General Specifications:

Form Factor: Panel Mount PC with Two ball bearing high MTBF air fans

Processor: Intel Dual Core Duo Merom with heat sink and air fan

Memory: Two DDRII 533/667MHz DIMM up to 3GB with dual channel interleaved mode

Chipset: Intel 945GM & ICH7M

Green Function: Power saving mode includes doze, standby and suspend modes.

Watchdog Timer: System reset programmable watchdog timer with 1 ~ 255 sec/min of timeout value

Real Time Clock: Built-in RTC with lithium battery

Enhanced IDE: PCI enhanced IDE interface supports UltraATA/133 drives
One 44-pin IDE port
SSD Flash DOM up to 80GB

Multi-I/O Port:

Serial Ports: One external RS-232 serial port and one RS232/RS422/RS485 port with 16C550 compatible UARTs and 16 bytes FIFO

USB Port: 2 Hi-Speed USB 2.0 ports with 480 Mbps of transfer rate

Parallel Port: One external bi-direction parallel port with SPP/ECP/EPP mode

K/B & Mouse: External PS/2 keyboard and mouse ports on rear I/O panel

VGA Display Interface:

Chipset: Intel 950 with Extreme Graphics 2
External DB15 Connector

Ethernet Interface:

Chipset: Intel 82537L Gigabit LAN

Connector: External RJ45 connector with LED on rear I/O panel

Power and Environment:

Power Requirement: 8 to 21 VDC

External Power Supply: Universal 100-240 VAC, 60W or 150W without fan.
Output 19 VDC. UL, C-UL, VDE electrical approvals.

Physical dimensions: Width: 9.5", Depth: 6.75", Height: 2 9/16", 3 3/16" with CD/DVD

Temperature: Operating within 0 ~ 60°C (32 ~ 140°F)
Storage within -20 ~ 85°C (-4 ~ 185°F)

Humidity: 10 ~ 90% non-condensing

Shock: 25G, Vibration 5G

Ordering Information:

TR-ITX-DCD Panel Mount PC with Intel Dual Core Duo 1.66 GHz 2MB cache Merom processor.
* Call us for faster processors.

TR-ITX-AC60W Universal 60W Power Supply, output 12 VDC. Can operate with 125 VDC and 250 VDC as well.

Options include memory up to 3GB, 3.5" Hard drive, Slim CD-R/W-DVD and solid state drives.