

Transduction

TR-ITX-600

FANLESS

TR-ITX-600 Industrial Panel Mount Fanless PC



TR-ITX Industrial PC offers Pentium power in a fanless chassis

Many industrial applications do not require fast computers but utmost reliability. This is why we provide 600 Mhz fanless version of the TR-ITX panel mount computer. It has been designed for dusty, dirty and hot environment where use of the air fans would cause failures of the internal parts. TR-ITX is ideal for any HMI application or a small control node in the remote location.

The design is based in the industrial grade ITX type motherboard that has embedded (no socket) Intel Celeron M processor and can operate in the temperature range from 0 to 60 C. Use of the embedded Celeron M 600 Mhz processor reduces power requirement to only 15W and significantly lowers cost as well.

TR-ITX-600 computer includes internal Mini-AGP slot for the optional ATI Mobile SVGA adapter with 64MB memory that supports QXGA resolution graphics and is compatible with all versions of QNX operating system.

The input power is 12VDC (11 to 13V) and universal 100 to 240VAC 60W adapter is supplied. This adapter can also operate from 125 and 250VAC.

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General Specifications:

Form Factor: Panel Mount PC
Processor: Intel Celeron M 600MHz 400fsb
Memory: Up to 1GB DDR200/266 SDRAM on one 184-pin DIMM socket, ECC memory is supported
Chipset: Intel 852GM and ICH4
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: Intel ICH4 built-in RTC with lithium battery
Enhanced IDE: PCI enhanced IDE interface supports UltraATA/100 drives
One 40-pin and one 44-pin IDE port
SSD Flash DOM up to 80GB

Multi-I/O Port:

Serial Ports: Two external RS-232 serial port with 16C550 compatible UART 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 852GM with Intel Extreme Graphics 2
External DB15 Connector

Ethernet Interface:

Chipset: Intel 82540EM Gigabit LAN
Connector: External RJ45 connector with LED on rear I/O panel

Power and Environment:

Power Requirement: 11 to 12 VDC
External Power Supply: Universal 100-240 VAC, 60W without fan.
Output 12 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-600	Panel Mount PC with Intel Celeron M 600MHz fanless
TR-ITX-AC60W	Universal 60W Power Supply, output 12 VDC. Can operate with 125 VDC and 250VDC as well.

Options include memory up to 1GB, 3.5" Hard drive, Slim CD-R/W-DVD and solid state drives.