

Transduction

Intel Core i7 8th- Generation 6-Core,
12-Threads Processor

TR-800-67W

TR-800-67W Industrial Panel PC w/ Intel i7 2.6GHz CPU



Features

The TR-800-67W computers have been designed for industrial applications that require high processing power. The design is based on the Intel i7-8850H mobile processor, extending operating temperature range 0 ~ 60°C (32 ~ 140°F). Two external high quality air fans are used to extend operating range of temperature and to gently recirculate the air inside the industrial enclosures.

The ITX type industrial motherboard is based on the Intel QM370 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 from Invensys or Genesis from Iconics. Intel i7 processor allows for high speed applications that implement PID loops in their software.

High speed 6-core processing power makes this computer useful for high resolution signage, radar and sonar applications.

It has PCIe x16 expansion slot that accepts 3/4" length low rise option cards.

This computer can be supplied with one or two (RAID1) 2.5" SATA hard drives . Use of the mSATA SSD in place of the hard drive increases speed of the data access about 10 times.

The input power is 9 to 35VDC.

Input power options include universal 120/220VAC 50/60Hz or 24, 48, 125 and 250VDC.

Warranty is 3 years with technical support for life.

TR-800-67W

TR-800-67W Industrial Panel PC w/ Intel i7 2.6GHZ CPU

Specification

Model

- TR-800-67W Industrial half fanless panel mount computer

Processor

- Intel 8th Gen Intel 6-Core, 12 threads, 8850H i7 2.6GHz
- Turbo - 4.30GHz

Chipset

- Intel QM370 with Intel UHD graphics

BIOS

- Phoenix Secucore

Memory

- 2 x DDR4 2666MHz up to 32GB, non-ECC

Ethernet

- 1 x Intel I219-LM Gigabit PHY LAN with ATM 12 support
- 1 x Intel I210-AT Gigabit LAN

Display

- 1 x DVI 1 X SVGA and 1 x HDMI port for triple display support

Disk Storage

- Super fast 120GB mSATA SSD

CD-DVD-R/W (Optional)

- External USB

Audio

- Realtek ALC262 high definition sound

Expansion

- 1 x PCIe x16 slot

External I/O Ports

- 1 x DVI port, 1 x SVGA port, 1 x HDMI port, 2 x LAN ports, 1 x RS232 port, 1 x RS232/422/485 serial port, 4 x USB 3.1 ports and 1 x 3-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)

Cooling

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

Humidity

- Operating: relative humidity 10 ~ 90%, non-condensing
- Storage: relative humidity 45% max., non-condensing

Power Requirement

- DC input 9-35VDC, max. 50W
- Optional universal AC 50/60Hz
- Optional DC input 24, 48, 125 and 250V

Shock & Vibration

- 25G and 5G

Compliance: Electrical Safety Approval, CE and FCC Class A

Compatible with Windows, 10

Dimensions

- 4.250" (including mounting brackets) (H) x 7.500" (D) x 9.725" (W)

Weight

- 2kg (4.4lbs)

Warranty: 3 years with technical support for life

Ordering Information

- TR-800-67W-AC - Includes universal 100 ~ 240VAC 100W power supply
- TR-800-67W-xxxDC - Specify 24V, 48V, 125V, 250VDC when ordering