VTC484832

Main Features

Supports Intel® Pentium® M/Celeron® M Processors with 400 MHz FSB Intel® 852GME Chipset.
Dual 10/100 Fast Ethernet LAN Ports
USB 2.0 x 6/VGA/LVDS/TV-Out Interface

On-board DC to DC Power Designed to Support +12V DC to +30V DC Power Input

Product Overview

Based on Intel's Pentium M/Celeron M processor with 400 MHz FSB, the rugged VTC484832 is designed for space-critical applications requiring fanless operation, extreme reliability, low-power consumption and versatile I/O configuration. The VTC484832 offers a cost-effective solution for a multitude of mission-critical embedded computing applications in automation, machine control, POS systems and transportation.

Housed in a compact 195 mm x 268 mm x 80 mm heavy-duty aluminum chassis, the VTC484832's fanless design, makes for reliable, maintenance-free industrial computing. This versatile system gives users a wide connection options with a range of I/O ports located at both the front and the rear of the unit. I/Os include two 10/100 Ethernet LAN ports, six USB 2.0 ports (two front, four rear), VGA, TV-out interface and direct LVDS output via a DB44 connector. For added flexibility, the VTC484832 also boasts three RS232 ports, one RS232/422/485 port and one PCI expansion slot.

The VTC484832 supports DDR 200/266 memory up to 2 GB and provides one CompactFlash socket and one 2.5" HDD drive bay. The System also boasts a wide range of power
supplies from 12 V DC to 30 V DC.

Specifications

Main Board
- VTC2477751
- Support Intel® Pentium® M processors in 478-pin, Micro-FCPGA package from 1.6 to 1.8 GHz with 1 MB or 2 MB L2 cache
- Support Intel® Celeron® M processors in 478-pin, Micro-FCPGA package from 1.3 to 1.5 GHz with 512 KB or 1 MB L2 cache
- Supports Low Voltage and Ultra Low Voltage Intel Pentium M or Celeron M processors in 479-ball, Micro-FCBGA packages
- Supports 400 MHz FSB CPUs only
- Intel® 852GME and ICH4 chipset

Main Memory
- Two 184-pin DDR 200/266 DIMM sockets, up to 2 GB unbuffered non-ECC DDR SDRAM

I/O Interface
- Front I/O Ports
- Optional customized logo
- HDD Access/Power/LAN status LEDs
- USB 2.0 x 2 ports
- Rear I/O Ports
- PS/2 Keyboard/Mouse x 1
- USB 2.0 x 4 ports
- Serial ports x 4

- Audio Mic-in x 1 and Speaker-out x 1
- Dual pixel LVDS interface x 1
- 10/100 Ethernet LAN x 2
- VGA connector x 1
- S-Video TV-Out x 1
- Power On/Off switch x 1

Device
- On-board CompactFlash socket x 1
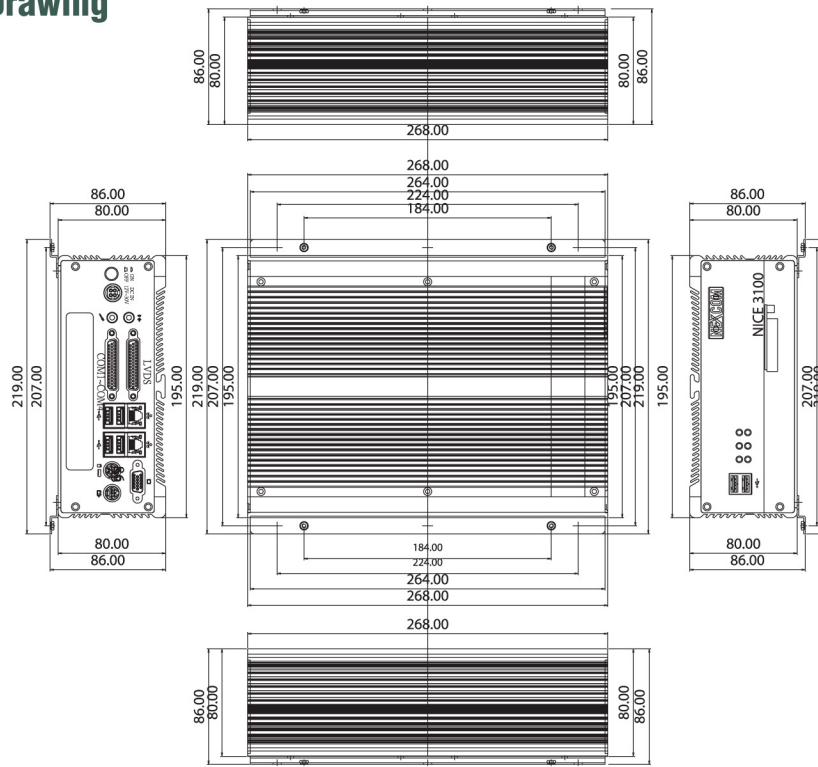- Internal 2.5" HDD drive bay x 1

Expansion Slot
- Supports one 32-bit/33 MHz PCI Card
- PCI Length support:
- 160 mm (When 2.5" HDD installed)
- 240 mm (When no HDD is installed)

Power Input
- DC to DC power designed for on-board support of 12 V DC to 30 V DC (Max: 120 Watts)
- External 120 W AC adapter x 1
- Power input: 100 to 240 V AC 2 A 50/60 Hz
- Power output: 24 V DC

VTC484832

Mechanical Drawing

Dimensions

- 195 mm (W) x 268 mm (D) x 80 mm (H) (7.68" x 10.56" x 3.15")

Construction

- Aluminum chassis with fanless design

Environment

- Operating temperature:
- Ambient with air flow : 0°C to 40°C
- VTC484832 Tcase (Surface Temperature of Chassis)
  5°C to 40°C (W/HDD)
  -10°C to 45°C (W/CF card only)
- Storage temperature: -20°C to 80°C
- Relative humidity: 10% to 90% (Non-condensing)

Certifications

- CE approval
- FCC