



Ampro ReadySystem™ 1U Computer

Small, low cost system



ReadySystem 1U

Description

Ampro's ReadySystem 1U embedded computer is an ideal application ready system solution. The ReadySystem 1U features your choice of an Ampro ReadyBoard SBC (with a 400 MHz to 1.4 GHz Pentium® processor) and all electronics in a compact housing for limited space embedded or stand-alone applications. ReadySystem 1U includes a robust set of I/O and dual Ethernet interfaces. With its compact size and low power consumption the ReadySystem 1U can be used in space critical applications. ReadySystem 1U is suitable for desktop, wall, or rack mount use and is supplied "Ready to Run."

Scalable Performance with Low Power Consumption

Scalable Pentium® M class processors bring high computing performance with low power consumption.

Ampro ReadySystem Configuration

Ampro ReadySystem 1U computer systems can be configured with various memory sizes, hard disk and/or Compact Flash options using any ReadyBoard 700, 710, or 800 SBC. ReadySystems can be configured with Linux 2.6 or Windows XP operating systems. Optional rack mount brackets are also available.

Specifications

BOARD COMPATIBILITY

- Any Ampro ReadyBoard™ SBC

MEMORY / MASS STORAGE

- 256MB SODIMM installed
- 40GB Hard disk drive installed
- CompactFlash socket accessible through I/O panel with protective cover

NETWORK INTERFACE

- Ethernet, RJ45 connector(s) (Board dependent)

VIDEO INTERFACE

- CRT, DB15 connector

SWITCHES AND INDICATORS

- Reset pushbutton switch
- Power on LED
- HDD activity LED

SOFTWARE

- Hard disk drive is pre-loaded with Fedora Core 3 Linux version 2.6 or Windows XP

I/O

- ReadyBoard PC-style connectors protrude through enclosure I/O panel
- Serial – 2 ports, 2 RS232, on DB9 connectors
- USB – 4 ports, Type B connectors
- Keyboard / Mouse – PS/2 connector (shared)
- Audio – 3 jacks, line in / line out / mic in
- Dual Ethernet Interface

MECHANICAL

- Size – (w,h,d) 180x44x203mm (7.0x1.73x8.0")
- Material – SECC 1mm thick
- Color
 - Pantone 413C (white/gray textured)
 - Black silkscreen for I/O port definition
 - Options available
- Input Voltage – 12V DC or 24V DC
 - Optional AC to DC power adapter available
- Regulatory – Designed to achieve UL, cUL, CSA as required
- Environmental
 - Operating Temperature: 0° to +45°C
 - Cooling – System fan required for selected CPUs

- Minimal overall product size
- Accepts any Ampro ReadyBoard
- CompactFlash accessible externally
- Flexible 12v to 24v DC power input
- Supports dual 10/100 Ethernet or one 10/100 and one 10/1000
- Custom versions available

