

ReadySystem™ Fanless

Rugged, Small, Flexible
Fanless System



Features

- Designed for IP5x rating
- Minimal overall product size
- Compact Flash accessible externally
- 12V or wide-range 12 to 24V DC power input
- Supports up to two PC/104 I/O expansion modules
- Custom I/O configurations available
- No fans

RUGGED

Choose an Ampro by ADLINK™ ReadySystem™ Fanless for . . .

Industrial embedded applications that benefit from a dust and dirt free enclosure and quiet operation.

Description

The ReadySystem™ Fanless includes a robust set of I/O with a VGA DB15 output, USB 2.0 ports, RS232 Serial ports on DB9 connectors, Audio (In, Out, and Mic), PS/2 keyboard and mouse (shared), and up to two Ethernet interfaces. ReadySystem™ Fanless allows the integration of up to 2x PC/104 cards. This fanless system features the Ampro ReadyBoard™ SBC, up to 1.4GHz Pentium® M processor, and compact housing for limited space embedded fanless applications.

Compact Size: ReadySystem™ Fanless is 236x260x85mm (9.3x10.2x3.35") which qualifies it for space critical applications. The ReadySystem™ Fanless is suitable for desktop, walls, or rack mount use.

Scalable Performance with Managed Power

Consumption: Pentium® M class processors achieves high computing performance with low power consumption and allow fanless operation.

Range of Power Sources: The ReadySystem™ Fanless is compatible with 12 to 24 V power modules, offering flexible power options for various environments.

Ampro by ADLINK™ ReadySystem™ Configuration:

Ampro by ADLINK™ ReadySystem™ Fanless computers configurations include your choice of memory size, Hard Disk, and/or Compact Flash options.

High Integration: ReadySystems are supplied "Ready to Run" with long life cycle support for product continuity.

Specifications

Board Compatibility

ReadyBoard™ 820 or ReadyBoard™ 620
Up to two PC/104 I/O expansion modules

Memory / Mass Storage

256MB, 512MB, or 1GB SODIMM installed
80 - 160GB Standard hard disk drive installed
40GB or 80GB Extended temp HDD
Compact Flash socket accessible through I/O panel with protective cover

Network Interface

Ethernet - Dual. Refer to specific ReadyBoard™ datasheets.

Video Interface

CRT, DB15 connector

I/O

ReadyBoard™ PC-style connectors protrude through enclosure I/O panel
I/O expansion
Serial - 4 ports, 2 RS232, 2 RS232/422/485, on DB9 connectors
USB - 3 ports, Type B connectors
Keyboard / Mouse - PS/2 connector (shared)
Audio - 3 jacks, line in / line out / mic in

Software

Ampro by ADLINK™ Embedded Linux®, Windows® CE, XP, XPe

Mechanical

Size (w,h,d): 9.3x10.2x3.35"
Input Voltage - wide-range +12V to +24V DC
-Optional AC to DC power adapter available
Regulatory - Designed to achieve ULC, CSA, FCC and IP5x rating
Environmental
- Temperature

- Standard: 0° to +60°C
- Storage: -20° to +75°C

Ordering Information

Model Number	Description/Configuration
RS1-R82-R-21	ReadySystem™ Fanless with 1.4GHz Pentium® M 738 CPU, 12V to 25V Power Regulator, FANLESS ReadyBox, Gigabit Ethernet, 0 GB HDD, 0 MB DDR2-RAM, RoHS
RS1-R82-R-10	ReadySystem™ Fanless with 1.0GHz Celeron® M CPU, 12V to 25V Power Regulator, FANLESS ReadyBox, Gigabit Ethernet, 0 GB HDD, 0 MB DDR2-RAM, RoHS
RS1-R62-R-11	ReadySystem™ Fanless with 500MHz AMD Geode™ LX 800, 12V to 25V Power Regulator, FANLESS ReadyBox, Dual 10/100 Ethernet, 0 GB HDD, 0 MB DDR-RAM, RoHS