

Ampro ReadyBoard™ 550 Via Eden™ EPIC Single Board System Low Power, Low Cost, Easy Interface



ReadyBoard 550

Choose Ampro ReadyBoard 550 for...

High volume embedded applications that need low power and low cost.

Description

Ampro ReadyBoard 550 gives you a choice of low cost, low-power processors with advanced networking, high-performance graphics and all of the PC-compatible component subsystems with PC-style connectors.



- Ampro BIOS extensions
- Configuration control
- Dual 10/100 Ethernet
- 4 Serial, 4 USB ports
- PC/I04-Plus expansion

For more information, pricing, and details on volume discounts, please call us at 1.800.966.5200 or +1.408.360.0200. We'll immediately connect you to your local distributor.

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Get Started Today. Order a Quickstart Kit Now. www.ampro.com/estore

Specifications

PROCESSOR

- Choice of
 - 1GHz Via Eden ESP 10000
 - 533MHz Via Eden ESP 5000
 - 300MHz Via Eden ESP 3000
- Cache – 128kB Level 1, 64kB Level 2
- Chipset – Via Twister-T
- Front Side Bus – 133MHz or 66MHz
- System Controllers – PC-compatible DMA and interrupt controllers and timers
- RealTime Clock – Battery-backed RTC/CMOS
- Thermal Monitoring
- Watchdog Timer
- Powerfail Reset – Triggers when key voltage drops below predetermined thresholds

MEMORY

- DRAM – Up to 1GB SODIMM

BUS INTERFACE

- PC/I04-Plus (ISA and PCI) (except Q-00)

I/O

- EIDE – Single PCI-bus Enhanced Ultra DMA 33/66/100 Synchronous IDE interface supports up to two hard drives
- CompactFlash Socket on secondary IDE
- Serial – 4 ports, 2 are RS232/422/485
- Parallel – EPP/ECP bidirectional port
- Floppy – Supports 1 or 2 drives
- USB – 4 USB 1.1 ports (two root hubs)
- IrDA – Dedicated IrDA
- Keyboard/Mouse – PS/2 interface
- GPIO – Eight general-purpose digital I/O pins
- Audio – AC97 speaker, mic, headphone

NETWORK INTERFACE

- Ethernet – Dual Intel 8255 IER 10/100BaseT (Q-00 single only)

VIDEO INTERFACE

- Controller – Integrated S3 Savage AGP 4X
 - DVD Multimedia Accelerator; MPEG2, AC-3
 - Supports resolutions to 1600x1200
 - Up to 32MB UMA Frame Buffer
 - Supports 36-bit TFT and STN LCDs and digital panels
 - Built-in LVDS transceiver
 - Supports 3.3V, 5V flat panels

SOFTWARE

- OS Support – See Web site for current listings
- BIOS – General Software 5.2 with Ampro extensions

MECHANICAL

- Size – 115x165mm (4.5x6.5"); EPIC form-factor
- Power Requirements (w/64MB RAM, 100% Loaded)
 - 1GHz 2.9A @ 5V
 - 533MHz 2.4A @ 5V
 - 300MHz 1.6A @ 5V
- Environmental – Operating temperature 0° to 60°C standard

Ordering Information

MODEL	DESCRIPTION
RBI-550-K-01	300MHz QuickStart Kit (Q-01 SBC, 256MB DRAM, Cable Kit, Software, Documentation)
RBI-550-K-11	533MHz QuickStart Kit (Q-11 SBC, 256MB DRAM, Cable Kit, Software, Documentation)
RBI-550-K-21	1GHz QuickStart Kit (Q-21 SBC, 256MB DRAM, Cable Kit, Software, Documentation)
RBI-550-Q-00	300MHz Eden CPU, PC/I04, Ethernet, Video, 4 COM
RBI-550-Q-01	300MHz Eden CPU, PC/I04-Plus, dual Ethernet, Video, 4 COM
RBI-550-Q-11	533MHz Eden CPU, PC/I04-Plus, dual Ethernet, Video, 4 COM
RBI-550-Q-21	1GHz Eden CPU, PC/I04-Plus, dual Ethernet, Video, 4 COM
RBI-ALL-W-01	Cable Kit



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