

# Ampro ReadyBoard™ 800

## Pentium® M EPIC Single Board System

### Ultra High Performance, Low Power, Easy Interface



# ReadyBoard 800

#### Choose Ampro ReadyBoard 800 for...

High volume, compact embedded applications that need ultra high CPU and I/O performance, fanless operation and low cost.

#### Description

Ampro ReadyBoard 800 SBC gives you a choice of ultra high performance, low-power Centrino® processors with high speed I/O to match. It includes Gigabit Ethernet, USB 2.0, and high performance graphics in an easy to use compact industry standard form factor SBC.

- Up to 1 GB of DDR memory
- Ampro BIOS extensions
- Dual Ethernet – Gigabit and 10/100BaseT
- 4 Serial, 4 USB 2.0 ports
- PCI-104 expansion
- ReadyBox™ enclosure available
- ReadySystem™ turn-key systems available



#### Ordering Information

MODEL	DESCRIPTION
RBI-800-K-01	600MHz QuickStart Kit (Q-01 SBC, 512MB RAM, Cable Kit, Software, Documentation)
RBI-800-K-10	1.0GHz QuickStart Kit (Q-10 SBC 512MB RAM, Cable Kit, Software, Documentation)
RBI-800-K-21	1.4GHz QuickStart Kit (Q-21 SBC 512MB RAM, Cable Kit, Software, Documentation)
RBI-800-Q-01	600MHz ULV Celeron M CPU, PCI-104, dual Ethernet, Video, 4 COM
RBI-800-Q-10	1.0GHz ULV Celeron M CPU, PCI-104, dual Ethernet, Video, 4 COM
RBI-800-Q-21	1.4GHz LV Pentium M CPU, PCI-104, dual Ethernet, Video, 4 COM
RBI-ALL-W-01	Cable Kit
MM3-ISA-Q-01	MiniModule ISA, PCI-104 to PC/104-Plus Bridge

**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.

Don't see the product you need? Contact us at 1.800.966.5200 or +1.408.360.0200 for information about our semi-custom and custom solutions.

**Get Started Today. Order a QuickStart Kit Now.**

#### Specifications

##### PROCESSOR

- Choice of
  - 1.4GHz LowVoltage Pentium® M 738 (Dothan)
  - 1.0GHz Ultra LowVoltage Celeron® M 373 (Dothan)
  - 600MHz Ultra LowVoltage Celeron M
- Cache – 2MB or 512kB Level 2
- Chipset – Intel 855GME/ICH4M
- FSB – 400MHz
- System Controllers – PC-compatible DMA and interrupt controllers and timers
- Real Time Clock – Battery-backed RTC/CMOS
- Watchdog Timer
- Powerfail Reset – Triggers when input voltage drops below predetermined thresholds

##### MEMORY

- DRAM – Up to 1GB PC2700 DDR333 SODIMM

##### BUS INTERFACE

- PCI-104 (PCI)
- PCI-104 to PC/104-Plus bridge through optional MiniModule™ ISA card

##### I/O

- EIDE – Single PCI-bus Enhanced Ultra DMA 33/66/100 Synchronous IDE Interface supports up to two hard drives
- CompactFlash on secondary IDE
- Serial – 4 ports, 2 are RS232/422/485
- Parallel – EPP/ECP bidirectional port shared with floppy interface
- Floppy – Supports 1 or 2 drives shared with parallel port
- USB – 4 USB 2.0 ports (four root hubs)
- Keyboard/Mouse – PS/2 interface
- GPIO – Eight digital I/O pins
- Audio – AC97 speaker, mic, headphone

##### NETWORK INTERFACE

- Ethernet – One Intel 82541 (1000BaseT) and one Intel 82551ER (10/100BaseT)

##### VIDEO INTERFACE

- Controller – Integrated Intel Extreme Graphics 2
  - AGP 128-bit 3D engine
  - Supports resolutions to 2048x1536
  - Up to 64MB UMA Frame Buffer
  - Dual channel LVDS
  - Supports 3.3V and 5V flat panels

##### SOFTWARE & DEVELOPMENT TOOLS

- OS Support – See Web site for current listings
- BIOS – General Software 5.3 with Ampro extensions

##### MECHANICAL

- Size – 114.3x165.1mm (4.50x6.50"); EPIC 1.0 Form Factor
- Power Requirements (w/128MB RAM, 100% Loaded)
  - 1.4GHz 3.8A @5V
  - 1.1GHz 3.5A @5V
  - 600MHz 3.0A @5V
- Environmental
  - Operating temperature: 0° to 60°C
  - Storage temperature: -20° to 75°C



**AMPRO**

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