RoHS 2002/95/EC

Ampro ReadyBoard™ 700
Celeron® EPIC Single Board Computer
Easy Interface, RoHS-Compliant

ReadyBoard 700

Choose Ampro ReadyBoard™ 700 for…
High volume embedded applications that need high performance.

Description
Ampro ReadyBoard™ 700 gives you a choice of high-performance, low-power processors with advanced networking, high-performance graphics and all of the PC-compatible component subsystems with PC-style connectors.

(Not recommended for new designs.)

Ampro value

- Configuration control
- Dual 10/100 Ethernet
- 4 Serial, 4 USB 1.1 ports
- PC/104-Plus expansion

Ordering Information

MODEL	DESCRIPTION
RB1-700-L-01	400MHz QuickStart Kit (R-01 SBC, 512MB DRAM, Cable Kit, Software, Documentation)
RB1-700-L-11	650MHz QuickStart Kit (R-11 SBC, 512MB DRAM, Cable Kit, Software, Documentation)
RB1-700-R-00	400MHz ULV Celeron® CPU, PC/104, single Ethernet, Video, 4 COM
RB1-700-R-01	400MHz ULV Celeron® CPU, PC/104-Plus, dual Ethernet, Video, 4 COM
RB1-700-R-11	650MHz ULV Celeron® CPU, PC/104-Plus, dual Ethernet, Video, 4 COM
RB1-ALL-X-01	Cable Kit

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.

Specifications

PROCESSORS
- Choice of
  - 650MHz Ultra Low Voltage Celeron®
  - 400MHz Ultra Low Voltage Celeron®
- Cache – 256kB Level 2
- Chipset – Via Twister-T
- FSB – 100MHz
- System Controllers – PC-compatible DMA and interrupt controllers and timers
- Real Time Clock – Battery-backed RTC/CMOS
- Watchdog Timer
- Powerfail Reset –Triggers when key voltage drops below predetermined threshold

MEMORY
- DRAM – Up to 1GB SODIMM

BUS INTERFACE
- PC/104-Plus (ISA and PCI) (except R-00)

I/O
- EIDE – Single PCI-bus Enhanced Ultra DMA 33/66/100 Synchronous IDE interface supports up to two hard drives
- Compact Flash Socket on secondary IDE
- Serial – 4 ports, two 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
- Audio – AC97 speaker, mic, headphone

NETWORK INTERFACE
- Ethernet – Dual Intel 82551ER 10/100BaseT (R-00 single only)

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

SOFTWARE
- OS Support – Linux® 2.6.9, VxWorks® v5.5, QNX® v6.3, Windows® CE 5.0, XP, XPe (See Web site for details)
- BIOS – General Software 5.3 with Ampro extensions

MECHANICAL
- Size – 114.3 x165.1mm (4.50 x 6.50"); EPIC 1.0 form factor
- Power Requirements (with 64MB RAM, 100% Loaded)
  - 650MHz   2.6A @ 5V
  - 400MHz   2.1A @ 5V
- Temperature (100 CFM system air flow)
  - Standard: 0° to +60°C
  - Storage: −20° to +75°C
- Board Thickness – .062" (1.6mm)

Get Started Today. Order a QuickStart Kit Now.

AMPRO®

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www.ampro.com