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TECHNOLOGY GROUP

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Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

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- In stock / Ready-to-ship
- Leasing / Rentals / Demos
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Expert team | Trust guarantee | 100% satisfaction

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RoHS 2002/95/EC

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



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.

Get Started Today. Order a QuickStart Kit Now.

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 – 114.3x165.1mm (4.50x6.50"); 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)

AMPRO®
5215 Hellyer Ave., Ste. 110, San Jose, CA 95138 Tel. 408.360.0200 Fax 408.360.0222 sales@ampro.com

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Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

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