



Ampro LittleBoard™ 700

Celeron® EBX Single Board Computer

Rugged, High Performance, RoHS-Compliant



LittleBoard 700

Choose Ampro LittleBoard™ 700 for...

Rugged embedded applications that need high performance and RoHS compliance.

Description

Ampro LittleBoard™ 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.

(Not recommended for new designs.)



- -40° to +85°C
- Dual 10/100 Ethernet
- 4 Serial, 4 USB 1.1 ports
- PC/104-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.

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.

Ordering Information

MODEL	DESCRIPTION
LB3-700-K-12	650MHz QuickStart Kit (R-12 SBC, 512MB DRAM, Cable Kit, Software, Documentation)
LB3-700-K-14	400MHz QuickStart Kit (R-14 SBC, 512MB DRAM, Cable Kit, Software, Documentation)
LB3-700-R-12	650MHz ULV Celeron® CPU, PC/104-Plus, dual Ethernet, 4 COM
LB3-700-R-14	400MHz ULV Celeron® CPU, PC/104-Plus, dual Ethernet, 4 COM
LB3-700-R-15	400MHz ULV Celeron® CPU, PC/104, single Ethernet, 4 COM
LB3-ALL-X-01	Cable Kit

Specifications

PROCESSORS

- Choice of
 - 650MHz Ultra Low Voltage Celeron®
 - 400MHz Ultra Low Voltage Celeron®
- Cache – 256kB Level 2 Cache
- 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 1 GB PC 133 DIMM

BUS INTERFACE

- PC/104-Plus (ISA and PCI) (except R-15)

I/O

- EIDE – Dual PCI-bus Enhanced Ultra DMA 33/66/100 Synchronous IDE interface supports up to four hard drives
- Compact Flash Socket on primary IDE
- Serial – 4 ports, all are RS232/422/485
- Parallel – EPP/ECP bidirectional port
- Floppy – Supports 1 or 2 drives
- USB – 4 USB 1.1 ports (two root hubs)
- Keyboard/Mouse – PS/2 interface
- Audio – AC97 speaker, mic, headphone

NETWORK INTERFACE

- Ethernet – Dual Intel 82551ER 10/100BaseT (R-15 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 TTL and STN LCDs and digital panels
 - Built-in LVDS transceiver
 - Supports 3.3V, 5V flat panels

SOFTWARE

- OS Support – Linux® 2.4.18, 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 – 146x203mm (5.75x8.0"); EBX form factor
- Power Requirements – (with 64MB RAM, 100% Loaded)
 - 650MHz 2.7A @ 5V
 - 400MHz 2.2A @ 5V
- Temperature (100 CFM system air flow)
 - Standard: -20° to +70°C
 - Optional: -40° to +85°C
 - Storage: -55° to +85°C
- Board Thickness – .093" (2.36mm)



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