



Ampro LittleBoard™ 700 Pentium® III 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.

This product is not recommended for long-production-life applications, for example Medical with FDA approval requirements. Although the board is RoHS-compliant, the Cable Kit and QuickStart Kits are not.

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.



- -40° to +85°C
- Dual I/O/100 Ethernet
- 4 Serial, 4 USB 1.1 ports
- PC/I/O4-Plus expansion

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 LV Celeron® CPU, PC/I/O4-Plus, dual Ethernet, 4 COM |
| LB3-700-R-14 | 400MHz ULV Celeron® CPU, PC/I/O4-Plus, dual Ethernet, 4 COM |
| LB3-700-R-15 | 400MHz ULV Celeron® CPU, PC/I/O4, single Ethernet, 4 COM |
| LB3-ALL-W-01 | Cable Kit |

Specifications

PROCESSOR

- Choice of
 - 650MHz Low Voltage Celeron®
 - 400MHz Ultra Low Voltage Celeron®
- Cache – 256kB Level 2 Cache
- Chipset – Via Twister-T
- Front Side Bus – 133MHz or 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 PC 133 DIMM

BUS INTERFACE

- PC/I/O4-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
- CompactFlash 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 8255 IER 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 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 – 146x203mm (5.75x8.0"); EBX form factor
- Power Requirements – (w/64MB RAM, 100% Loaded)
 - 650MHz 2.7A @ 5V
 - 400MHz 2.2A @ 5V
- Temperature (100 CFM system air flow)
 - Standard operating: -20° to +70°C
 - Optional operating: -40° to +85°C
 - Storage: -55° to +85°C