

# Ampro LittleBoard™ 700 Pentium® III EBX Single Board System Rugged, High Performance, Long Lifecycle



LittleBoard 700

## Choose Ampro LittleBoard 700 for...

Rugged embedded applications that need high performance and long-term availability.

### 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 I.I ports
- PC/I04-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.

[www.ampro.com/estore](http://www.ampro.com/estore)

## Ordering Information

MODEL	DESCRIPTION
LB3-700-K-11	933MHz QuickStart Kit (Q-11 SBC, 256MB DRAM, Cable Kit, Software, Documentation)
LB3-700-K-12	650MHz QuickStart Kit (Q-12 SBC, 256MB DRAM, Cable Kit, Software, Documentation)
LB3-700-K-13	400MHz QuickStart Kit (Q-13 SBC, 256MB DRAM, Cable Kit, Software, Documentation)
LB3-700-K-81	933MHz Development System (Q-11 SBC, 256MB DRAM, Software, Documentation, ESD Kit, Development Platform with power supply, floppy, hard disk drive, CD-ROM, PCI/ISA backplane)
LB3-700-K-82	650MHz Development System (Q-12 SBC, 256MB DRAM, Software, Documentation, ESD Kit, Development Platform with power supply, floppy, hard disk drive, CD-ROM, PCI/ISA backplane)
LB3-700-K-83	400MHz Development System (Q-13 SBC, 256MB DRAM, Software, Documentation, ESD Kit, Development Platform with power supply, floppy, hard disk drive, CD-ROM, PCI/ISA backplane)
LB3-700-Q-11	933MHz LV Pentium III CPU, PC/I04-Plus, dual Ethernet, Video, 4 COM
LB3-700-Q-12	650MHz LV Celeron CPU, PC/I04-Plus, dual Ethernet, Video, 4 COM
LB3-700-Q-13	400MHz LV Celeron CPU, PC/I04-Plus, single Ethernet, Video, 4 COM
LB3-700-Q-14	400MHz LV Celeron CPU, PC/I04-Plus, dual Ethernet, Video, 4 COM
CBL-700-Q-01	Cable Kit

## Specifications

### PROCESSOR

- Choice of
  - 933MHz Low Voltage Pentium® III
  - 650MHz Low Voltage Celeron®
  - 400MHz Ultra Low Voltage Celeron
- Cache – 512kB or 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
- Thermal Monitoring and Fan Control
- Watchdog Timer
- Powerfail NMI – Triggers when key voltage drops below predetermined thresholds

### MEMORY

- DRAM – Up to 1GB DIMM

### BUS INTERFACE

- PC/I04-Plus (ISA and PCI)

### 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 RS232/422/485
- Parallel – EPP/ECP bidirectional port
- Floppy – Supports 1 or 2 drives
- USB – 4 USB I.I ports (two root hubs)
- IrDA – Dedicated IrDA and 0.1W speaker
- Keyboard/Mouse – PS/2 interface
- Audio – AC97 speaker, mic, headphone

### NETWORK INTERFACE

- Ethernet – Dual Intel 82551ER 10/100BaseT (Q-03 single only)

### VIDEO INTERFACE

- Controller – Integrated S3 Savage AGP 4X
  - DVD Multimedia Accelerator, MPEG2, AC-3
  - 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; 12V flat panels with external connector

### 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)
  - 933MHz 3.4A @ 5V
  - 650MHz 2.7A @ 5V
  - 400MHz 2.2A @ 5V
- Environmental – Operating temperature 0° to 70°C standard; -40° to +85°C extended



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

NOTICE: The product specifications provided in this data sheet are subject to change without notice. ©2004 Ampro Computers, Inc. All rights reserved. Ampro is a registered trademark and CoreModule, MiniModule, LittleBoard, Little Board, EnCore, and ReadyBoard are trademarks of Ampro Computers, Inc. All other trademarks and registered trademarks are the property of their respective owners. DS-LB700 5K 0604

[www.ampro.com](http://www.ampro.com)