

Ampro Computers, Inc.

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**LittleBoard™ EBX**

Ampro, the inventor of the EBX standard, offers its completely reliable and rugged LittleBoard™ family of SBCs with broad OS support, and optional -40°C to +85°C extended temperature and conformal coating.

LittleBoard™ 800 EBX SBC

The LittleBoard 800 EBX SBC is an extremely rugged, I/O rich, Pentium® M or Celeron M single board computer that includes a PCI-to-ISA bridge chip for PC/104-Plus expansion. Bridging from PCI allows flexible IRQ assignment and full 16-bit I/O, memory, and DMA operation for the hundreds of commercially available ISA-based I/O modules including Ampro's MiniModule™ products.

Besides attractive features, this rugged EBX compliant SBC is unique in offering fanless -40°C to +85°C operation for all but one of the processor options (1.4 GHz with Fan). Choose this product for compact, full featured, rugged embedded applications that require ultra-high performance, high speed I/O and full PC/104-Plus expandability.

LittleBoard™ 620 EBX SBC

The LittleBoard 600 EBX SBC is for high volume embedded applications that require high performance and low power with advanced networking and all of the PC-compatible component subsystems with PC-style connectors. This product replaces the tens of thousands of EBX and 5.25" form factor SBCs on the market that use 486, Pentium® MMX or Geode™ GX1 processors, or use Celeron®, C3 or Eden™ 100/133 FSB processors with the Twister-T chipset. Ampro's new LittleBoard™ 620 EBX SBC not only addresses the processor and chipset availability issues, but updates the technology from Single Data Rate (SDR) PC100 and PC133 RAM to the mainstream inexpensive DDR (double data rate) RAM. In addition, the board is fully RoHS compliant and EBX compliant, to address environmental regulations and issues with 5.25" SBCs that don't comply with the EBX standard.

**FEATURES**

- › Scalability from 500MHz to 1.40GHz processors in same form factor
- › Easy migration with the same form factor, expansion, and connector locations
- › Extreme rugged resistance to shock and vibration, HALT reports available
- › -40°C to +85°C (ETT) for reliability, and conformal coating options
- › OS Support includes Windows® XP, XPe, CE, Linux®, QNX® and VxWorks®
- › Operating temperature: -20°C to +70°C standard; -40°C to +85°C extended
- › LittleBoard 800: 1.4GHz LV Pentium® M 738 or 1.0GHz ULV Celeron® M 373 with up to 1GB DDR, LVDS and TTL/TFT video, 2048x1536, 1000BaseT and 10/100 Ethernet, (4) RS232/422/485 ports, 4 USB 2.0 ports, PC/104-Plus (PCI & ISA) expansion, DDR RAM
- › LittleBoard 620: 500MHz Geode™ LX800 with up to 1GB DDR333 SODIMM, PC/104-Plus and mini-PCI socket, Serial ATA, Single PCI bus Enhanced Ultra DMA, 4 serial ports, dual Ethernet and AMI BIOS with Ampro extensions
- › Visit www.ampro.com for more information, or call (408) 360-0200