

Ampro EPIC SBC Family

Ampro ReadyBoard products reduce your system costs

Introduction. Ampro ReadyBoard products comprise the broadest offerings available for the new 4.5"x6.5" EPIC standard form factor. ReadyBoard's offer many of the features and support systems provided with Ampro's traditional EBX products. The difference is that ReadyBoard greatly reduces your system costs because of the following factors:

- PC-style connectors rather than pin headers, eliminates transition cables.
- Board size is reduced to the new standard EPIC form factor.
- Component selection is optimized for low cost and 0° to 60°C operation rather than ruggedness required for LittleBoard™ and CoreModule™ products.

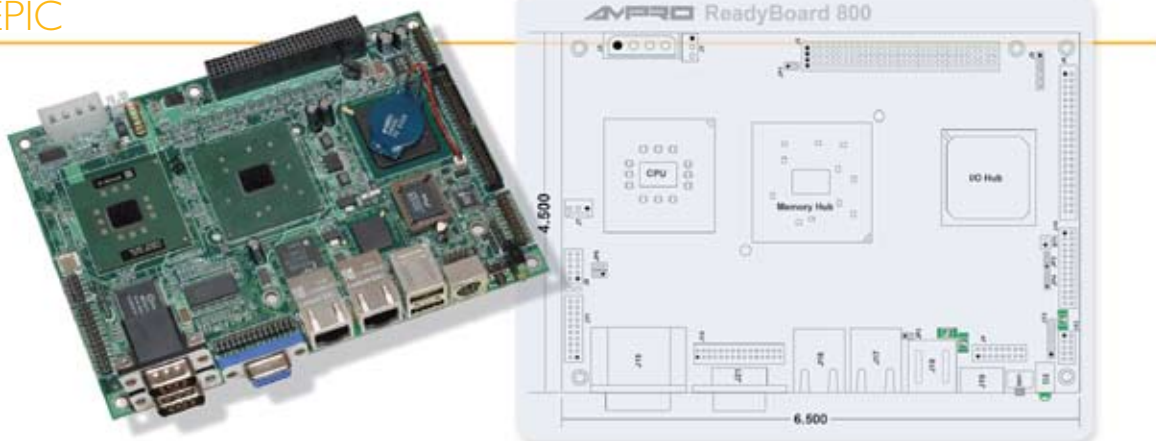
ReadyBoard Applications. The ReadyBoard family is a great platform for applications such as user interface terminals for equipment, networked systems, building automation, kiosk/point-of-information, gaming, industrial applied computing, and uncertified medical devices which benefit from fully-featured, low-cost embedded solutions. PC-style connectors along one edge easily mount against a back panel or bulkhead with little or no cabling. This saves system OEMs time and money compared to boards with pin header connectors.

In spite of its attractive price, ReadyBoard includes many of the features that designers have come to expect from Ampro, embedded systems innovator and pioneer. ReadyBoard requires only one single +5V power supply. ReadyBoard features full PC/104-Plus expansion to minimize system height in support of the 1,000 commercially available PC/104 and PC/104-Plus I/O modules, such as Ampro MiniModule™ products.

Each ReadyBoard provides a watchdog timer and battery-free boot capability. The backup battery for the board may be either on the board or external and the board can recover even if the battery dies. CMOS setting can be saved even when no battery is present. Other innovative Ampro BIOS extensions are included with ReadyBoard such as serial console for headless applications, customizable splash screen displayed during boot and OS load and highly flexible IRQ and memory map configurations. And Ampro provides support for leading operating systems including Linux and Windows CE.

The ReadyBoard platform also can utilize Ampro's Configuration SolutionsSM, Custom OS SolutionsSM, Custom Board SolutionsSM and Semi-Custom SolutionsSM programs.

EPIC



Ampro's EPIC Form Factor Solutions

	ReadyBoard 700	ReadyBoard 710	ReadyBoard 800
CPU	650MHz LV Celeron® or 400MHz ULV Celeron®	650MHz LV Celeron®	1.4GHz LV Pentium® M 738, 1.0GHz ULV Celeron® M 373, 600MHz ULV Celeron® M
Level 2 Cache	256kB (Celeron®) Level 2	256kB (Celeron®) Level 2	2MB (Pentium® M) 512kB (Celeron® M) Level 2
DRAM	Up to 1GB SDRAM	Up to 1GB DDR	Up to 1GB DDR
Bus Interface	PCI-104-Plus	PCI-104	PCI-104
EIDE	Ultra DMA 33/66/100 to 2 drives	Ultra DMA 33/66/100 to 2 drives	Ultra DMA 33/66/100 to 2 drives
Solid State Disk	CompactFlash	CompactFlash	CompactFlash
Serial Port	(2) RS232, (2) RS232/422/485	(2) RS232, (2) RS232/422/485	(2) RS232, (2) RS232/422/485
Parallel Port	EPP/ECP bidirectional	EPP/ECP bidirectional	EPP/ECP bidirectional
Floppy	Shared with parallel	Shared with parallel	Shared with parallel
USB	(4) USB 1.1	(4) USB 2.0	(4) USB 2.0
Keyboard/Mouse	PS/2	PS/2	PS/2
Digital I/O	0	8	8
Audio	AC97	AC97	AC97
Network	Dual 10/100BaseT Ethernet	1000BaseT & 10/100BaseT Ethernet	1000BaseT & 10/100BaseT Ethernet
Video	AGP 4X, 1600x1200	AGP 8X, 1600x1200	AGP 4X, 2048x1536
Flat Panel Support	DSTN,TFT,LVDS	DSTN,TFT,LVDS	Dual channel LVDS