



Ampro RuffSystem™ 800

Rugged computing system



RuffSystem 800

Featuring: LittleBoard 800 1.4GHz

Designed to support Ampro LittleBoard 800
Size (w,h,d): 8x10x3"
IP5x Rated Chassis

- Low-Power, Conductive Cooled Intel® Pentium® M or Celeron® processor
- Internal PC/104 card standard support for (2) two PC/104(+) expansion cards
- Gigabit Ethernet, 10/100 Ethernet, USB, Serial, Video, Audio, IDE, SATA
- Designed to meet MIL-STD-810 (shock/vibration, temp, humidity) using Ampro LittleBoard™
- Voltage/Surge Protected Vehicle Grade DC/DC Converter
- Ampro Embedded Linux or Windows® XP embedded
- Optional: Windows® CE, QNX or VxWorks



Ordering Information

MODEL	DESCRIPTION
RF1-L80-R-08	RuffSystem with 800MHz ULV Celeron® M CPU, PC/104-Plus, dual Ethernet, Video, 4 COM
RF1-L80-R-10	RuffSystem with 1.0GHz ULV Celeron® M CPU, PC/104-Plus, dual Ethernet, Video, 4 COM
RF1-L80-R-21	RuffSystem with 1.4GHz LV Pentium® M CPU, PC/104-Plus, dual Ethernet, Video, 4 COM

Specifications

BOARD COMPATIBILITY

- LittleBoard™ 800 EBX SBC
- Choice of low power, conductive cooled Intel® Pentium® M or Celeron® M processors
 - 1.4GHz LV Pentium® M 738 (Dothan)
 - 1.0GHz ULV Celeron® M 373 (Dothan)
 - 800MHz ULV Celeron® M
- Chipset – Intel 855GME/ICH4M

MODULAR/EXPANDABLE

- Internal PC/104 Card standard support for (2) two PC/104(+) expansion cards

I/O

- EIDE – Dual PCI-bus Enhanced Ultra DMA 33/66/100 Synchronous IDE Interface supports up to two hard drives each (four total)
- Compact Flash on secondary IDE
- VGA port
- Serial – 4 ports, all are RS232/422/485
- Parallel – EPP/ECP bidirectional port
- Floppy – Supports 1 or 2 drives
- USB – 4 USB 2.0 ports (four root hubs)
- Keyboard/Mouse – PS/2 interface
- Audio – AC97 speaker, mic, headphone

NETWORK INTERFACE

- Ethernet – Gigabit Ethernet, 10/100 Ethernet

MIL-STD-810 COMPLIANCE

- Designed to meet MIL-STD-810 (shock/vibration, temp, humidity) using Ampro LittleBoard™

OPERATING SYSTEMS

- Ampro Embedded Linux® or Windows® XP embedded
- Optional: Windows® CE, QNX or VxWorks®

MECHANICAL

- Size (w,h,d): 8x10x3"
- Environmental
 - Temperature
 - Standard: –20° to +65°C
 - Extended: –40° to +75°C
 - Storage: –40° to +85°C
- IP5x Rated Chassis

POWER

- Voltage/Surge Protected Vehicle Grade DC/DC Converter

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