

ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

All trademarks, brand names, and brands appearing herein are the property of their respective owners.

Visit our website - *Click HERE*

INDUSTRIAL

Ampro ReadyBoard™ 800

Pentium® M EPIC Single Board Computer
High Performance, Easy Interface



Choose Ampro ReadyBoard™ 800 for…
High volume, compact embedded applications that need high CPU and I/O performance, fanless operation and notebook-style power management.

Description
Ampro ReadyBoard™ 800 SBC gives you a choice of high performance, low-power Centrino® processors with high speed I/O to match. It includes Gigabit Ethernet, USB 2.0, and high performance graphics in an easy to use compact industry standard form factor SBC.

RoHS

- Up to 1GB DDR memory
- Dual Ethernet – Gigabit and 10/100BaseT
- 4 Serial, 4 USB 2.0 ports
- ACPI 2.0 support
- ReadySystem™ turn-key systems available

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.

Ordering Information

MODEL	DESCRIPTION
RB1-800-R-08	800MHz ULV Celeron® M CPU, 0kB L2 Cache, PCI-104, dual 10/100 Ethernet, ACPI, 4 COM
RB1-800-R-10	1.0GHz ULV Celeron® M CPU, 512kB L2 Cache, PCI-104, dual Ethernet, ACPI, 4 COM
RB1-800-R-21	1.4GHz LV Pentium® M CPU 2MB L2 Cache, PCI-104, dual Ethernet, ACPI, 4 COM
RB1-800-R-31*	1.8GHz Pentium® M CPU 2MB L2 Cache, PCI-104, dual Ethernet, ACPI, 4 COM
RB1-800-L-08	800MHz 0kB Cache QuickStart Kit (R-08 SBC, 512MB RAM, Cable Kit, Software, Documentation)
RB1-800-L-10	1.0GHz QuickStart Kit (R-10 SBC, 512MB RAM, Cable Kit, Software, Documentation)
RB1-800-L-21	1.4GHz QuickStart Kit (R-21 SBC, 512MB RAM, Cable Kit, Software, Documentation)
RB1-800-L-31	1.8GHz 2MB Cache QuickStart Kit (R-31 SBC, 512MB RAM, Cable Kit, Software, Documentation)
RB1-ALL-X-01	Cable Kit
MM3-ISA-R-11	MiniModule ISA, PCI-104 to PC/104-Plus Bridge, with mini-PCI socket

* Requires both +5V and +12V to operate; +12V runs the CPU fan.

Specifications

PROCESSORS
- Choice of
  - 1.8GHz Pentium® M 745
  - 1.4GHz LV Pentium® M 738
  - 1.0GHz ULV Celeron® M 373
  - 800MHz ULV Celeron® M
- Cache – 2MB, 512kB or 0kB Level 2
- Chipset – Intel 855GME/ICH4M
- FSB – 400MHz
- System Controllers – PC-compatible DMA and interrupt controllers and timers
- Real Time Clock – Battery-backed RTC/CMOS
- Watchdog Timer
- Powerfail Reset –Triggers when input voltage drops below predetermined thresholds

MEMORY
- DRAM – Up to 1GB PC 2700 DDR333 SODIMM, ECC and non-ECC

BUS INTERFACE
- PCI-104 (PCI)
- PCI-104 to PC/104-*Plus* bridge through optional MiniModule™ ISA card

I/O
- EIDE –Single PCI-bus Enhanced Ultra DMA 33/66/100 Synchronous IDE Interface supports up to two hard drives
- Compact Flash on secondary IDE
- Serial – 4 ports, two are RS232/422/485
- Parallel – EPP/ECP bidirectional port shared with floppy interface
- Floppy – Supports 1 or 2 drives shared with parallel port
- USB – 4 USB 2.0 ports (four root hubs)
- Keyboard/Mouse – PS/2 interface
- GPIO – Eight digital I/O pins
- Audio – AC97 speaker, mic, headphone

NETWORK INTERFACE
- Ethernet – One Intel 82541 (1000BaseT) and one Intel 82551ER (10/100BaseT)

VIDEO INTERFACE
- Controller – Integrated Intel Extreme Graphics 2
  - AGP 128-bit 3D engine
  - Supports resolutions to 2048x1536
  - Up to 64MB UMA Frame Buffer
  - Dual channel LVDS
  - Supports 3.3V and 5V flat panels

SOFTWARE & DEVELOPMENT TOOLS
- OS Support – Ampro Embedded Linux®, VxWorks® v5.5.1, QNX® v6.3, Windows® CE 6.0, 5.0, XP, XPe (See Web site for details)
- BIOS – AMI with ACPI 2.0

MECHANICAL
- Size – 114.3x165.1mm (4.50x6.50"); EPIC 1.0 form factor
- Power Requirements (with 128MB RAM, 100% Loaded)
  - 1.8GHz* 4.0A @5V, 0.07A@12V
  - 1.4GHz 3.7A @5V
  - 1.0GHz 3.4A @5V
  - 800MHz 3.3A @5V
- Environmental
  - Temperature (100 CFM system air flow), CPU fan installed on 1.8GHz model
    - Standard: 0° to +60°C
    - Storage: –20° to +75°C
- Board Thickness – .062" (1.6mm)

AMPRO AN ADLINK COMPANY
5215 Hellyer Ave., San Jose, CA 95138 Tel. 408.360.0200 Fax 408.360.0222 sales@ampro.com

NOTICE: The product specifications provided in this datasheet are subject to change without notice. Every effort has been made to ensure the accuracy of this document. ADLINK Technology, Inc., makes no warranties, expressed or implied, regarding errors or admissions and assumes no legal liability or responsibility for loss or damage resulting from the use of this document's information. AMPRO is a registered trademark and CoreModule, LittleBoard, Little Board, MightyBoard, MightySystem, MiniModule, ReadyBoard, ReadyPanel and ReadySystem are trademarks of ADLINK Technology, Inc. All other trademarks and registered trademarks are the property of their respective owners.

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.

We're here to make your life easier. How can we help you today?

(217) 352-9330 | sales@artisantg.com | artisantg.com

ARTISAN® TECHNOLOGY GROUP