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TECHNOLOGY GROUP

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

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so your equipment works exactly as you specify.

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EXTREME RUGGED

Ampro COM 840

Core™ 2 Duo Computer-on-Module
Blazing Performance, Graphics, Power Management



Choose Ampro COM 840 for …
Modular, ultra high performance applications that require high end graphics.

Description
Ampro COM 840 is a small, ultra high performance module, supporting Intel® Core™ 2 Duo processor, with Gigabit Ethernet and high end chipset graphics or x16 PCI Express graphics on the baseboard.

COM 840 is compatible with the COM Express Plug-n-Play initiative for true PICMG COM.0 compliance.

RoHS

- Up to 4GB DDR2 memory
- True PICMG COM Express COM.0 compliance
- PCI Express, SATA II
- ACPI 2.0 with S3 support
- x16 Graphics on the baseboard
- COM Express Plug-n-Play Initiative

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
COM-840-R-32	1.6GHz Core™ 2 Duo CPU, 4MB L2 Cache, PCI Express, PCI, LPC
COM-840-L-32	1.6GHz QuickStart Kit (R-32 SBC, 2GB RAM, Software, Documentation, Baseboard, Fansink)
COM-840E-L-32	1.6GHz QuickStart Kit (R-32 SBC, 2GB RAM, Software, Documentation, EBX Baseboard, Fansink)

Specifications

PROCESSOR
- 1.6GHz Core™ 2 Duo L7500
- Cache – 4MB, 1MB Level 2
- Chipset – Intel GME965/ICH8
- FSB – 800MHz
- System Controllers – PC-compatible DMA and interrupt controllers and timers
- Watchdog Timer

MEMORY
- DRAM – Up to 4GB DDR2 667 SODIMM

BUS INTERFACE
- PCI Express 5 x1, 1x16, PCI and LPC

I/O
- EIDE –Single PCI-bus Enhanced Ultra DMA 66/100 Synchronous IDE Interface supports up to two hard drives
- SATA II – 2 ports
- USB – 8 USB 2.0 ports
- Audio – AC97/HD

NETWORK INTERFACE
- Ethernet – Gigabit

GRAPHIC INTERFACE
- Intel® GMA X3100, 384MB (DVMT 4.0)
- 3D and 2D engine, HW rotation
- Intel® Clear Video Technology: MPEG-2 HW acceleration and decoding
- WMV9 HW acceleration, sharpness enhancement, film mode detection
- Dual panel display with independent pipes, HDTV support, supports PCIe x16 graphics
- CRT resolution up to 2048 x 1536 @ 60Hz

SOFTWARE & DEVELOPMENT TOOLS
- OS Support – Ampro Embedded Linux®, Windows® CE 6.0, 5.0, XP, XPe (See Web site for details)
- BIOS – AMI with ACPI 2.0 including S3

MECHANICAL
- Size – 95x125mm (3.7x4.9"); COM Express form factor, type II pinout
- Power Requirements (with 2GB RAM, 100% Loaded)
  - 1.77A@12V
- Environmental
  - Temperature (with adequate thermal solution and air flow)
    - Standard: –20° to +70°C
    - Extended: –40° to +85°C
    - Storage: –55° to +85°C
- Board Thickness – .093" (2.36mm)

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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.

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