

Ampro CoreModule™ 600 Celeron® PC/I04-Plus Single Board System

Rugged, High Performance, Long Lifecycle



CoreModule 600

Choose Ampro CoreModule 600 for...

Rugged embedded applications that need high performance in a compact size and long-term availability.

Description

Ampro CoreModule 600 offers ultra low-power Celeron performance with advanced networking, high-performance graphics all of the PC-compatible component subsystems.



- -40°C to +85°C
- 5-year lifecycle
- I0/I00 Ethernet
- 2 Serial, 2 USB ports
- PC/I04-Plus expansion

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
CM3-600-K-02	400MHz QuickStart Kit (Q-02 SBC, 256MB DRAM, Cable Kit, Software, Documentation)
CM3-600-S-02	400MHz Development System (Q-02 SBC, 256MB DRAM, Software, Documentation, ESD Kit, Development Platform with power supply, floppy, hard disk drive, CD-ROM, PCI/ISA backplane)
CM3-600-Q-01	400MHz ULV Celeron CPU, PC/I04-Plus, Ethernet, Video, 2 COM, 128MB DRAM
CM3-600-Q-02	400MHz ULV Celeron CPU, PC/I04-Plus, Ethernet, Video, 2 COM, 256MB DRAM
CM3-600-W-01	Cable Kit

Specifications

PROCESSOR

- 400MHz Ultra Low Voltage Celeron
- Cache – 256kB Level 2 Cache
- Chipset – Via Twister-T
- Front Side Bus – 100MHz
- System Controllers – PC-compatible DMA and interrupt controllers and timers
- Real Time Clock – Battery-backed RTC/CMOS
- Thermal Monitoring
- Watchdog Timer
- Powerfail NMI – Triggers when key voltage drops below predetermined thresholds

MEMORY

- DRAM – Up to 256MB soldered SDRAM

BUS INTERFACE

- PC/I04-Plus (ISA & PCI)

I/O

- EIDE – Single PCI-bus Enhanced Ultra DMA 33/66/100 Synchronous IDE interface supports up to two hard drives
- CompactFlash Socket on secondary IDE
- Serial – 2 ports, one RS232/422/485
- Parallel – EPP/ECP bidirectional port
- Floppy – Supports 1 or 2 drives, shared with parallel
- USB – 2 USB 1.1 ports (two root hubs)
- IrDA – Dedicated IrDA and 0.1W speaker
- Keyboard/Mouse – PS/2 interface

NETWORK INTERFACE

- Ethernet – Intel 82551 ER 10/100BaseT

VIDEO INTERFACE

- Controller – Integrated S3 Savage AGP 4X
 - DVD Multimedia Accelerator; MPEG2, AC-3
 - Supports resolutions to 1600x1200
 - Up to 32MB UMA Frame Buffer
 - Supports TFT and STN LCDs and digital panels
 - Supports 3.3V, 5V flat panels

SOFTWARE

- OS Support – See Web site for current listings
- BIOS – General Software 5.2 with Ampro extensions

MECHANICAL

- Size – 90x96mm (3.6x3.8"); PC/I04-Plus form-factor
- Power Requirements – (w/128MB RAM, 100% Loaded)
 - 1.8A @ 5V
- Environmental – Operating temperature 0°C to 70°C standard; -40°C to +85°C extended without fan

Get Started Today. Order a Quickstart Kit Now. www.ampro.com/estore



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