



Ampro CoreModule™ 600

Celeron® PC/I04-Plus Single Board Computer

Highly Integrated, High Performance, RoHS-Compliant



CoreModule 600

Choose Ampro CoreModule 600 for...

Embedded applications that need high performance in a compact size and RoHS compliance.

This product is not recommended for long-production-life applications, for example Medical with FDA approval requirements. Although the board is RoHS-compliant, the Cable Kit and QuickStart Kit are not.

Description

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



- I0/I00 Ethernet
- 2 Serial, 2 USB ports
- PC/I04-Plus expansion

Ordering Information

| MODEL | DESCRIPTION |
|---------------|--|
| CM3-600-K-02 | 400MHz QuickStart Kit (R-02 SBC, 256MB DRAM, Cable Kit, Software, Documentation) |
| CM3-600-R-01 | 400MHz ULV Celeron® CPU, PC/I04-Plus, Ethernet, Video, 2 COM, 128MB DRAM |
| CM3-600-R-02 | 400MHz ULV Celeron® CPU, PC/I04-Plus, Ethernet, Video, 2 COM, 256MB DRAM |
| CM3-600-VV-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
- Watchdog Timer
- Powerfail NMI – Triggers when key voltage drops below predetermined threshold

MEMORY

- DRAM – Up to 256MB soldered SDRAM

BUS INTERFACE

- PC/I04-Plus (ISA and 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 primary IDE
- Serial – 2 ports, one is 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)
- Keyboard/Mouse – PS/2 interface

NETWORK INTERFACE

- Ethernet – Intel 82551ER 10/100BaseT

VIDEO INTERFACE

- Controller – Integrated S3 Savage AGP 4X
 - DVD Multimedia Accelerator
 - 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
- Temperature (100 CFM system air flow)
 - Standard operating: –20° to +70°C
 - Optional operating: –40° to +85°C
 - Storage: –55° to +85°C