

Fastwel's CPC600 – new Intel Pentium M-based SBC, VME64 Bus, up to 2.0 GHz, four Gigabit Ethernet ports 10/100/1000 Mb/s, high functionality and performance, working at extended temperature range

- Intel Pentium M processor, up to 2.0 GHz with up to 2 MB L2 on-die cache running at CPU speed
- 400 MHz processor system
- C82855GM/GME GMCH & Hance Rapid ICH
- Up to 2 GB PC333 soldered DDR SDRAM with ECC • VGA controller integrated in 855GM/GME; shared video memory up to 64 MB
- Analog display support up to 2048 x 1536 at 75 Hz
- LVDS/TFT panel support
- Four Gigabit Ethernet ports - Two at the front panel, two via the VITA 31 backplane connection
- PCI-X-to-VME bridge
- VME and VME64 compliant
- PCI-X 133 MHz compliant
- 64-bit PMC module support
- 3.3 V PCI-X interface
- Optional 1.8" HDD site
- Four USB 2.0 ports at the front panel
- Two EIDE Ultra ATA/100 interfaces
- Two Serial ATA channels for external SATA HDDs via rear I/O
- Supports CompactFlash Type I cards
- Primary slave device
- Solid State Disk 16 or 32 MB with Fastwel file system
- COM1: RS-232 at the front panel
- COM2: TTL level at the rear I/O
- IPMI compliant Baseboard Management Controller
- Program upgradeable firmware
- ANSI/VITA 38 compliant
- Hardware monitor
- Monitoring of three power voltages
- Temperature monitoring
- Power and system control functions
- Remote control
- Auxiliary interfaces
- LPC interface at the rear I/O
- AC'97 2.3 compliant audio interface
- Reset supported at rear I/O
- RTC with Li battery
- Watchdog timer
- Compatible with VME64 systems with legacy 96-pin headers
- Live insertion and transition board support
- Reserved BIOS with fast recovery
- Reserved CMOS memory
- Fast boot; 6 seconds
- Passive heat sink
- Software support: Microsoft DOS 6.22, Fastwel DOS 6.22, Windows 2000/XP/CE, QNX 4.20 and 6.0, Linux
- Power requirements: 12 V at 0.1 A, 5 V at 8 A

- Operating temperature: 0°C to +70°C, -40°C to +85°C (optional)
- Size: 6U, 4HP
- Shock/vibration: 50G/5G
- VME
- Compliance: ANSI/VITA 1 VME64, ANSI/VITA 1.1, VME64 Extensions
- ANSI/VITA 31.1, Gigabit Ethernet on VME64x
- ANSI/VITA 38, system management for VMEbus
- ANSI/VITA 35, PMC-P4 Pinout mapping to VME
- ANSI/VITA 1.5, 2eSST
- ANSI/VITA 39, PCI-X on PMC