

Industrial Single Board Computer

Value Intel Pentium 4 DDR Solution



FS-977

**Full-size PICMG Pentium 4 DDR CPU Card
with 533/400 MHz FSB, Intel Hyper-Threading
Intel Extreme Graphics, Hi-Speed USB 2.0
Dual LAN, Audio, DOC and ISA 64mA High Drive**



Form Factor	Full-size PICMG-bus CPU Card / Slot PC PICMG version 1.0 (Rev. 2.0) and PCI version 2.0 compliant
CPU	Intel mPGA478 Pentium 4 / Celeron CPU up to 3.06 GHz @ 533 / 400 MHz FSB Intel 0.13- / 0.18-micron Northwood / Willamette Pentium 4 / Celeron CPU Support Intel Hyper-Threading Technology
Memory	2 GBytes DDR200/266/333SDRAM on 2 x 184-pin DIMM sockets
Chipset	Intel Brookdale-GV chipset with 82845GV GMCH and 82801DB ICH4
Watchdog Timer	Generates NMI or system reset with 1 to 255 sec. / min. of time out value
Real Time Clock	Intel ICH4 integrated RTC with onboard lithium battery
Power Management	ACPI 1.0 compliant, supports power saving mode with ATX PSU
ISA High Drive	ISA 64mA high Drive capacity with TI 245 buffer on the ISA address and data bus
PCI Enhanced IDE	Dual UltraATA/100 bus master IDE channels up to 4 ATAPI devices IDE2 supports +5V Vcc for additional DiskOnModule (DOM) flash disk
VGA Interface	Intel 845GV GMCH built-in Intel Extreme Graphics with 266 MHz VGA core Intel Dynamic Video Memory up to 64 MBytes shared with system memory External DB15 female connector on bracket and internal 16-pin header
LAN Interface	Integrated dual Intel PRO/100+ LAN interfaces, IEEE802.3U compliant 1st LAN with Intel ICH4 and 82562ET, optional 2nd LAN with Intel 82559ER
Audio Interface	Intel ICH4 chipset with onboard AC97 3D audio codec
Multi-I/O Port	2 x RS-232 serial port, 1 x SPP/EPP/ECP parallel port 4 x Hi-Speed USB 2.0 ports, 1 x IrDA port, 1 x floppy port 1 x external PS/2 keyboard / mouse and 1 x internal AT keyboard port
Solid State Disk	Onboard 32-pin DIP JEDEC DiskOnChip socket up to 576 MB of capacity
Environment	Power Requirement: +5V, +12V, -12V (Additional 5V standby for ATX mode) Board Dimension: 338 x 122 mm (L x W) Operation Temperature: 0 ~ 60°C (32 ~ 140°F)
Ordering Code	FS-977VL Full-size PICMG Pentium 4 DDR CPU Card with 533/400 MHz FSB, Intel Brookdale-GV chipset with 82845GV GMCH and 82801DB ICH4Intel Extreme Graphics, LAN, Audio, Hi-Speed USB 2.0, DiskOnChip Interface and ISA 64mA High Drive Capacity FS-977VL2 Same as FS-977VL but with Dual Intel LAN

Online product information detail and updates are available at: <http://www.commell.com.tw>

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