Industrial Single Board Computer

Value Intel Pentium 4 for SCSI / S-ATA / Giga LAN Solution

intel inside *pentium 4*

FS-978

Full-size PICMG Pentium 4 DDR CPU Card
with 400/533/800 MHz FSB, Intel Hyper-Threading
Intel Extreme Graphics 2, Dual LAN(with 1 Giga LAN),
Hi-Speed USB 2.0, SCSI, S-ATA, Mini-AGP, CompactFlash
Interface

Form Factor	Full-size PICMG-bus CPU Card / Slot PC, Supports PICMG version 1.0 (Rev. 2.0), PCI version 2.0 compliant, Support ISA 64mA high drive capacity with TI 245 buffer
CPU	Supports Intel Pentium 4 Northwood/Prescott CPU with 400/533/800Mhz FSB frequency Support Intel Hyper-Threading Technology
Memory	2x184 pin DDR DIMMs to support up to 2.0GB DDR SDRAM Supports bandwidth up to 3.2GB/s(DDR400) for Single Channel mode and 6.4GB/s (DDR400) in Dual Channel mode. Supports non ECC DIMMs
Chipset	Intel 82865G & 82801EB
Watchdog Timer	256-level generates NMI or system reset programmable watchdog timer
Real Time Clock	Intel ICH5 integrated RTC with onboard lithium battery
Power Manegement	ACPI 1.0 compliant, supports power saving mode with ATX PSU
Serial ATA	Supports two Serial ATA connectors, data transfer rates up to 150MB/s
PCI Enhanced IDE	Supports two IDE channels & up to four IDE drivers, Supports "Ultra DMA 33/66/100"
VGA Interface	Intel 82865G GMCH built-in 256bit 3D VGA controller, share memory up to 64MB Supports one external D-sub 15-pin connector & one internal 15-pin header
LAN Interface	On board Intel 82547EI to support Gigabit Ethernet LAN, Optional Intel 82562ET 10/100Mb LAN
Audio Interface	Intel ICH5 built-in AC97 3D audio controller with ALC201A, with CD in, Line in, Mic. In,Speaker out
SCSI Interface	On Board LSI53C1030 to support Dual Channel Ultra-320 SCSI The first Channel is supported with one 68-pin wide SCSI connector. The Second channel is supported with one 68-pin & one 50-pin SCSI connectors
Multi-I/O Port	1 Floppy connector, 1 Printer port, 2 RS232 port, 1 SIR connector, 4 USB 2.0 1 Y-type cable to support PS2 Keyboard & PS2 mouse, 1 AT keyboard connector
Mini AGP port	Provide the capable of driving an ADD card to support LVDS/TMDS/TV/HDTV devices Provide the capable of drive an Mini-AGP card to support AGP 8X/4X graphic card
Solid State Disk	Onboard Compact Flash Type-II socket on IDE1
Environment	+5V & +12V DC input from PICMG backplane One AT 4-pin power connector, Additional +12V on 4-pin connector for Pentium 4 PSU Board Dimension: 338 x 122 mm (L x W) Operation Temperature: 0 ~ 60°C (32 ~ 140°F)
Ordering Code	**FS-978VL** — Full-size PICMG Pentium 4 DDR CPU Card with 400/533/800 MHz FSB, Intel Extreme Graphics 2, Intel Giga LAN, Audio, USB 2.0, Mini-AGP and CompactFlash Interface and ISA 64mA High Drive Capacity **FS-978VLS** — Same as FS-978VL but with ultra320 SCSI controller **FS-978VL2** — Same as FS-978VL but with Dual Intel LAN (1xIntel Giga LAN+1x10/100 LAN) **FS-978VL2S** — Same as FS-978VL2 but with ultra320 SCSI controller

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