

Industrial PC Platform



Value Rackmount PICMG Pentium 4 DDR Solution

R4AB-977

4U Rackmount PICMG Pentium 4 DDR Platform with 533/400 MHz FSB, Intel Hyper-Threading VGA, Dual LAN, Audio, USB 2.0, DiskOnChip External 3 x 5.25" and 1 x 3.5" Drive Bay Free 12 PCI/ISA Expansive Slots and ISA High Drive



Form Factor	4U 19" Rackmount EIA RS-310C industrial PC chassis PICMG version 1.0 (Rev. 2.0) and PCI version 2.0 compliant
CPU Card (SBC)	FS-977 PICMG Socket 478 Pentium 4 DDR Single Board Computer Based on Intel 845GV/GE and ICH4 chipset
CPU	Intel Socket 478 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/(333) SDRAM on 2 x 184-pin DIMM sockets
Watchdog Timer	Generates NMI or system reset with 1 to 255 sec. / min. of time out value
Power Management	ACPI 1.0 compliant, supports power saving mode with ATX power supply
Solid State Disk	M-systems 32-pin DIP JEDEC DiskOnChip socket up to 1 GBytes of capacity IDE-based DOM (DiskOnModule) or M-systems DiskOnChip IDE Pro on IDE port
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/GE GMCH built-in Intel Extreme Graphics with 266 MHz VGA core Intel Dynamic Video Memory up to 64 MBytes shared with system memory
LAN Interface	Onboard dual Intel PRO/100+ LAN interfaces, IEEE 802.3U 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
Hi-Speed USB 2.0	Intel ICH4 chipset built-in Hi-Speed USB 2.0 controller with 480 Mbps data transfer rate Onboard four Hi-Speed USB 2.0 ports
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 IrDA port, Floppy port, AT keyboard, PS/2 keyboard and mouse port
Drive Bay	External 3 x 5.25" and 1 x 3.5" drive bay, internal 1 x 3.5" drive bay All with advanced shock / vibration proof construction
Expansive Interface	12 x PCI / ISA expansive bus interface with PICMG industrial passive / active backplane Optional free 4 x PCI / 8 x ISA, 7 x PCI / 5 x ISA, 12 x PCI and 12 x ISA expansive slots Intel PCI bridge for multiple PCI and ISA 64mA high drive for multiple ISA platform Free 8 x full-size and 4 x half-size add-on cards with hold-down clamp
Thermal Control	One dual ball-bearing 12cm / 85 CFM system cooling fan on the front panel Removable air / dust filter on the external front panel
Front Panel	Lockable front door for system safety, security and dust-proof Power / access LED, power / reset switch and AT keyboard connector



