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Industrial Single Board Computer

Full-size PICMG CPU Card

FS-979

Intel Pentium® 4 LGA775 with DDR II 400/533
Onboard VGA, Gigabit LAN, SATA
DVI, GPIO, Serial port, USB2.0
AC97 Audio, Smart CPU FAN



Form Factor	Full-size PICMG (1.0 compliant) CPU Card
CPU	Intel Pentium 4/Celeron D Package: LGA775 L2 Cache: 256KB/1MB Front side bus: 533/800MHz Intel Hyper Threading Technology Supported
Memory	4 x 240-pin DDR II 400/533 SDRAM up to 4GB
Chipset	Intel 915GV and ICH6R
Real Time Clock	Chipset integrated RTC with onboard lithium battery
Watchdog Timer	Generates a system reset with internal timer for 1min ~ 255min
Power Management	ACPI 1.0 compliant, supports power saving mode with ATX PSU
PCI Enhanced IDE	One UltraATA/100 IDE channel up to 2 ATAPI devices 1 x onboard 40-pin IDE connector
Serial ATA	Intel ICH6R built-in 4 x Serial ATA interfaces up to 150MB/s Support RAID 0, 1 and Intel Matrix Storage Technology
VGA Interface	Intel 915GV builds in Intel Graphic Media Accelerator (GMA) 900 technology
Video Memory	Up to 224MB shared with system memory
Audio Interface	Intel ICH6R integrated with Realtek ALC201A AC97 Codec
USB Interface	Intel ICH6R integrated with 4 USB 2.0 interfaces up to 480Mb/s
LAN	1 x Intel 82562EZ PHY 10/100Mbps LAN Or 3 x Marvell E8053 PCIE Gigabit LAN Onboard additional LAN LED connector
DVI Interface	Chrontel CH7307B DVI transmitter with onboard 26-pin DVI interface
Solid State Disk	IDE1 supports DiskOnModule with +5V power supply 1 x Compact Flash Type II socket
GPIO interface	Onboard programmable 8-bit Digital I/O interface
Internal I/O Port	1 x RS232 and 1 x jumper selectable RS232/422/485 serial port 1 x Parallel port, 1 x Floppy port, 1 x IrDA port
External I/O Port	1 x RJ45, 1 x VGA, 1x COM and 1 x PS/2 Or 3 x RJ45 and 1 x PS/2

Power Requirement	Onboard 4-pin 5V/12V DC connector Onboard P4 12V 4-pin connector (necessary for CPU powering) Onboard 3-pin ATX control connector for backplane
Thermal Control	1 x 4-pin Smart CPU Fan, 1 x 3-pin system Fan and 1 x Chip Fan connectors
Dimension	338 (L) x 122 (H) mm
Temperature	Operating within 0~60 centigrade Storage within -20~85 centigrade

Cable Kit



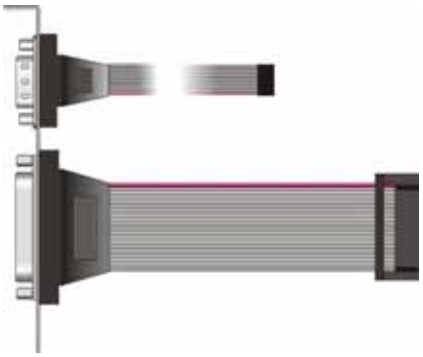
40-pin ATA100 IDE Cable x 1



Floppy flat cable x 1



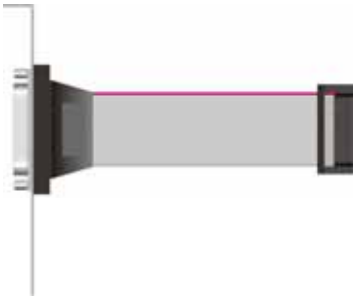
Serial ATA ribbon cable x 2



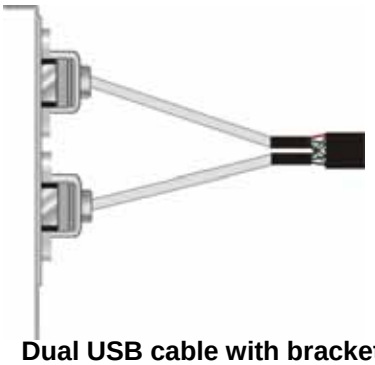
DB25 & DB9 cable with bracket x 1
(FS-979VDL only)



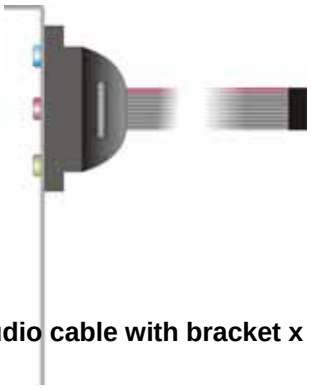
Dual DB9 cable with bracket x 1
(FS-979VDG3 only)



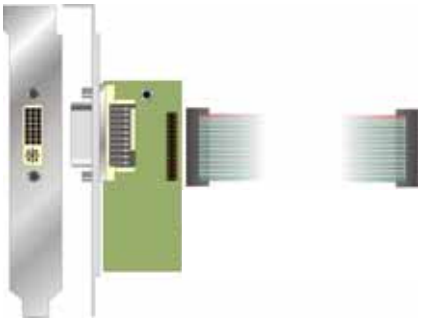
DB25 cable with bracket x 1
(FS-979VDG3 only)



Dual USB cable with bracket x 2



Audio cable with bracket x 1



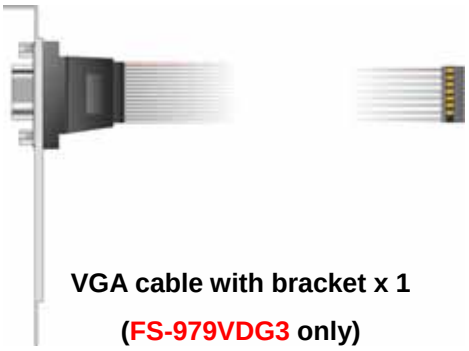
DVI module with bracket x 1



4-pin to 3-pin ATX cable x 1



PS/2 Keyboard & Mouse Cable x 1



VGA cable with bracket x 1
(FS-979VDG3 only)

Order Code	
FS-979VDL	Full-size PICMG CPU card with Intel Pentium 4 LGA775 platform Onboard VGA, SATA, DVI, AC97 Audio, GPIO, CF, **1 x 10/100Mbps LAN**
FS-979VDG3	Same as above but with **3 x Gigabit LAN**

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