

Industrial Single Board Computer

Full-size PICMG Socket 370 Tualatin CPU Card

FS-961

**Full-size PICMG Socket 370 Tualatin CPU Card
with LVDS/TTL 3D SVGA / 32 MB Video Memory
10/100Mbps LAN, AC97 3D Audio, CompactFlash
and Optional AV / S-Video TV-out Interface**



Form Factor	Full-size PICMG-bus CPU Card / Slot PC PICMG version 1.0 (Rev. 2.0) and PCI version 2.0 compliant
CPU	Socket 370 Intel Pentium-III / Celeron and VIA C3 CPU up to 1.4 GHz 66/100/133 MHz FSB, Intel 0.13-micron Tualatin CPU supported
Memory	Two 168-pin DIMM sockets support up to 1 GBytes PC100/133 SDRAM
Chipset	VIA/S3 Twister-T chipset with PN133T and 686B
Watchdog Timer	6-level generates NMI or system reset watchdog timer
Power Management	ACPI 1.0 compliant, supports power saving mode with ATX PSU
Real Time Clock	VIA 686B integrated RTC with onboard lithium battery
PCI Enhanced IDE	Dual UltraATA/100 bus master IDE channels up to 4 ATAPI devices
VGA Interface	VIA/S3 Twister PN133T chipset built-in S3 Savage4 SVGA core with 128-bit 3D engine BIOS selectable 8/16/32 MBytes video memory shared with system memory VGA, SVGA, XGA, SXGA, UXGA mode up to 1920 x 1440 of resolution for CRT monitor External DB15 female connector on bracket, internal 16-pin header connector
LCD Interface	Support 36-bit LVDS/TTL TFT/DSTN LCD interface with 256 gray shade Integrated 2-channel 110 MHz LVDS interface up to 1280 x 1024 of resolution Onboard 50-pin header for TTL, dual 20-pin Hirose DF13-20DP-1.25V for LVDS LCD
TV-out Interface	VIA/S3 Twister-T PN133T chipset built-in VGA core with TV-out encoder Support AV RCA and S-video TV-out interface at PAL / NTSC Mode
LAN Interface	PCI RTL8100B LAN with 10/100Base-TX auto-switching, IEEE802.3U compliant
Audio Interface	AC97 3D audio interface with line-in, line-out, CD-in, Mic-in
Multi-I/O Port	VIA 686B chipset built-in super-I/O controller 2 x RS-232 serial ports, 1 x SPP/EPP/ECP parallel port, 4 x USB 1.1 ports IrDA port, Floppy port, AT keyboard, PS/2 keyboard and mouse port
Solid State Disk	Onboard CompactFlash socket supports CompactFlash Card (CFC) Support PIO mode 4 up to 16.6 MBytes of data transfer rate Flash memory capacity up to 1 GBytes,
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-961VXL Full-size PICMG Socket 370 Tualatin CPU Card with LVDS/TTL LCD/CRT SVGA, Audio, LAN, and CompactFlash Interface FS-961VTL Same as Above but with AV / S-video TV-out Interface