

Industrial Single Board Computer

5.25" EBX Embedded Socket 370 Miniboard

LS-563

5.25" EBX Socket 370 Tualatin Miniboard
with LVDS/TTL 3D SVGA / 32 MB Video Memory
10/100Mbps LAN, AC97 3D Audio
PC/104-plus, DiskOnChip Interfaces
4 COM, 2 USB and 16-bit GPIO Ports



Form Factor	5.25" Drive-size Embedded Littleboard Computer, EBX Compliant
CPU	Socket 370 Intel Pentium-III / Celeron and VIA C3 CPU 66/100/133 MHz FSB, Intel 0.13-micron Tualatin CPU supported
Memory	One 168-pin DIMM socket supports up to 512 MB PC100/133 SDRAM
Chipset	VIA/S3 TwisterT PN133T chipset with VIA 8606 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
Expansive Interface	1 x PCI slot supports up to 3 x PCI bus master of add-on cards with riser card 1 x PC/104-plus interface supports add-on PC/104-plus peripheral module 1 x PC/104 interface supports add-on PC/104 peripheral module
PCI Enhanced IDE	Dual UltraATA/100 bus master IDE channels up to 4 ATAPI devices One 40-pin IDE1 and one 44-pin IDE2 interfaces
VGA Interface	VIA8606 chipset built-in S3 Savage4 SVGA controller with 3D engine BIOS selectable 8/16/32 MB video memory shared with system memory Built-in LVDS/TTL TFT/DSTN LCD interface with onboard internal pin header
TV-out Interface	VIA/S3 Twister-T PN133T 8606 chipset built-in VGA core with optional TV-out encoder Support AV and S-video interface for PAL / NTSC Mode of TV (LCD Interface is disable when TV-out Interface is enable)
LAN Interface	PCI RTL8100(B) 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	4 x COM ports with 3 x RS-232 and 1 x RS-232/422/485 serial ports 2 x SPP/EPP/ECP parallel port, 2 x USB ports (USB version 1.1 compliant) 1 x 16-bit GPIO port (8-bit input and 8-bit output) 1 x IrDA port, 1 x Floppy port, 1 x PS/2 keyboard and mouse port
Solid State Disk	Onboard 32-pin DIP JEDEC DiskOnChip socket Flash memory capacity up to 576 MB with ECC/EDC data protection
Environment	Power Requirement: +5V and +12V with onboard AT/4P power connector Board Dimension (L x W): 203 x 146 mm or 8.00 x 5.75" Operation Temperature: 0 ~ 60°C (32 ~ 140°F)
Ordering Code	LS-563VXL 5.25" EBX Socket 370 Tualatin Miniboard with LVDS/TTL LCD/CRT SVGA, Audio, LAN, PC/104+, 4 COM, 16-bit GPIO and DOC Interface LS-563VTL Same as Above but with AV and S-video TV-out, without LCD Interface