

Industrial Single Board Computer

LVDS Solution For Mini-ITX Motherboard



LV-670LVDS

**Mini-FlexATX Socket 478 DDR Motherboard
with Intel 845GV/ICH4 Chipset, 533/400 MHz FSB
Intel Extreme Graphics, 24-bit LVDS and TV-out
Intel PRO/100+ LAN, 5.1 CH & S/P DIF Audio**



Form Factor	Mini-FlexATX (Mini-ITX), 170 x 170 mm (W x L)
CPU	Socket 478 Intel Pentium 4 / Celeron CPU @ 533/400 MHz FSB Support Intel Hyper-Threading Technology
Memory	One 184-pin DIMM socket supports up to 1 GB DDR266/333 SDRAM
Chipset	Intel Brookdale-G(GV) Chipset with 82845GV GMCH and 82801DB ICH4
Watchdog Timer	Generates NMI or system reset with 1 to 255 sec./ min. of time out value
Expansive Interface	1 x PCI slot supports up to 2 x PCI bus master of add-on cards with riser card
PCI Enhanced IDE	One 40-pin primary and one 44-pin secondary Dual UltraATA/100 IDE interfaces
VGA Interface	Intel 845GV GMCH built-in Intel Extreme Graphics with 266 MHz VGA core, Intel dynamic video memory up to 64 MBytes shared with system memory
LVDS LCD Interface	Chrontel CH7017A builtin LVDS transmitter up to 1600 x 1200 of resolution Support single/dual channel 18-/24-bit LVDS interface for TFT LCD flat panel
TV-out Interface	Chrontel CH7011 TV-out encoder with AV and S-video output
LAN Interface	Intel PRO/100+ LAN with Intel ICH4 and 82562ET phy
Hi-Speed USB 2.0	Intel ICH4 built-in Hi-Speed USB 2.0 interface with up to 480 Mbps of data transfer rate
IEEE 1394	Agere FW323 IEEE 1394 controller with 100/200/400 Mbps of data transfer rate
Audio Interface	Intel ICH4 with ACL650 AC97 3D audio codec with 5.1 channel, line-in, line-out, Mic-in, CD-in and S/P DIF interface
Multi-I/O Port	1 x COM, 1 x parallel, 4 x USB 2.0, 1 x IrDA, 1 x FDD, 1 x PS/2 keyboard and mouse port
External I/O Panel	PS/2 keyboard and mouse port AV/S-video TV-out, VGA, parallel port Dual USB 2.0, LAN, IEEE 1394, 5.1 channel and S/P DIF Audio
Solid State Disk	DiskOnModule IDE-based, bootable, driver free flash disk with up to 512 MB of capacity M-systems DiskOnChip IDE Pro with TrueFFS and ECC/EDC data protection
Environment	Power Requirement: ATX power connector Board Dimension (W x L): 170 x 170 mm. Standard Mini-FlexATX form Factor Operation Temperature: 0 ~ 60°C (32 ~ 140°F)
Ordering Code	LV-670LVDS Mini-FlexATX Socket 478 Pentium 4 DDR Motherboard with Intel 845GV/ICH4 Chipset, 400/533 MHz FSB, DDR266/333 SDRAM Intel VGA, LAN, Audio, SPDIF, Hi-Speed USB 2.0, IEEE 1394, TV-out Interface, with LVDS TFT LCD Interface

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