

# Industrial Single Board Computer

## Ultra Compact Mini-FlexATX Motherboard



### LV-670

**Mini-FlexATX Socket 478 DDR Motherboard**  
**Ultra Compact @ 170 x 170 mm of Dimension**  
**with Intel 845GV/ICH4 Chipset, 533/400 MHz FSB**  
**Intel Extreme Graphics, LAN, Audio, SPDIF, TV-out**  
**Hi-Speed USB 2.0, IEEE 1394 Interfaces**



<b>Form Factor</b>	Mini-FlexATX (Mini-ITX), 170 x 170 mm (W x L)
<b>CPU</b>	Socket 478 Intel Pentium 4 / Celeron CPU @ 533/400 MHz FSB Intel 0.13-micron Northwood, 0.18-micron Willamette CPU supported
<b>Memory</b>	One 184-pin DIMM socket supports up to 1 GB DDR200/266/333 SDRAM
<b>Chipset</b>	Intel 845GV and ICH4
<b>Watchdog Timer</b>	Generates NMI or system reset with 1 to 255 sec./ min. of time out value
<b>Power Management</b>	ACPI 1.0 compliant, supports power saving mode with ATX power supply
<b>Expansive Interface</b>	1 x PCI slot supports up to 2 x PCI bus master of add-on cards with riser card
<b>PCI Enhanced IDE</b>	Dual UltraATA/100 bus master IDE channels up to 4 ATAPI devices One 40-pin IDE1 and one 44-pin IDE2 interfaces
<b>VGA Interface</b>	Intel 845GV series chipset built Intel Extreme Graphics with 266 MHz VGA core, 256-bit 3D engine and dynamic video memory up to 64 MBytes
<b>TV-out Interface</b>	Chrontel CH7011 TV-out encoder with AV and S-video output
<b>LAN Interface</b>	Intel PRO/100+ LAN with Intel ICH4 and 82562ET phy
<b>Hi-Speed USB 2.0</b>	Intel ICH4 built-in Hi-Speed USB 2.0 interface with up to 480 Mbps of data transfer rate
<b>IEEE 1394</b>	Agere FW323 IEEE 1394 controller with 100/200/400 Mbps of data transfer rate
<b>Audio Interface</b>	AC97 3D audio interface with line-in, line-out, Mic-in, CD-in and SPDIF interface
<b>Multi-I/O Port</b>	1 x COM, 1 x parallel, 4 USB 2.0, 1 x IrDA, 1 x FDD, 1 x PS/2 keyboard and mouse port
<b>External I/O Panel</b>	PS/2 keyboard and mouse port AV/S-video TV-out, VGA, LPT port Dual USB 2.0, LAN port IEEE 1394, Audio line-in, line-out, mic-in, SPDIF
<b>Solid State Disk</b>	DiskOnModule IDE-based, bootable, driver free flash disk with up to 256 MB of capacity M-systems DiskOnChip IDE Pro with TrueFFS and ECC/EDC data protection
<b>Environment</b>	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)
<b>Ordering Code</b>	<b>LV-670</b> Mini-FlexATX Socket 478 Pentium 4 DDR Motherboard with Intel 845GV/ICH4 Chipset, 400/533 MHz FSB, <b>DDR266/333 SDRAM</b> Intel VGA, LAN, Audio, SPDIF, Hi-Speed USB 2.0, IEEE 1394, TV-out

Online product information detail and updates are available at: <http://www.commell.com.tw>

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