

# Industrial Single Board Computer

## Mini-ITX motherboard LV-67D

Intel Atom processor  
Onboard VGA, LVDS , Giga LAN,  
Mini PCI , Mini PCIE , PCI, USB2.0, SATA  
HD Audio and Compact Flash socket  
6 x Serial Port



<b>Form Factor</b>	Mini-ITX motherboard
<b>CPU</b>	Intel Atom N270 processor 1.6GHz Package type: FCBGA8 , Front side bus: 533MHz
<b>Memory</b>	One 200-pin DDR2 SO-DIMM SDRAM up to 2GB Non-ECC, unbuffered memory supported only
<b>Chipset</b>	Intel 945GSE & ICH7M
<b>Real Time Clock</b>	Chipset integrated RTC with onboard lithium battery
<b>Watchdog Timer</b>	Generates a system reset with internal timer for 1min(sec) ~ 255min(sec)
<b>Power Management</b>	ACPI 1.0 compliant, supports power saving mode
<b>VGA Interface</b>	Intel integrated extreme GMA 950(Graphic Media Accelerator) Technology
<b>Video Memory</b>	Up to 224MB shared with system memory
<b>LVDS interface</b>	Onboard 18-bit dual channel LVDS connector <b>Optional:</b> Secondary Chrontel CH7308 LVDS transmitter for 18/24-bit dual channel LVDS interface with +3.3V/+5V/+12V supply. <b>(LV-67DX Only)</b>
<b>DVI Interface</b>	<b>Optional:</b> Chrontel CH7307C DVI transmitter with 26-pin DVI connector. <b>(LV-67DD Only)</b>
<b>Solid State Disk</b>	IDE supports 44-Pin Disk On Module with +5V power supply One Compact Flash Type II socket
<b>Serial ATA interface</b>	2 x serial ATA interface with 150MB/s transfer rate
<b>Audio Interface</b>	Intel ICH7-M integrated with Realtek ALC888 7.1CH HD Audio
<b>LAN Interface</b>	2 x Intel 82574L Gigabit Ethernet controllers
<b>GPIO interface</b>	Onboard programmable 8-bit Digital I/O interface
<b>Extended Interface</b>	1 x Mini-PCI socket 、 1 x PCI Slot 、 1 x PCIE Mini CARD(USB interface share with internal USB header)
<b>Internal I/O Port</b>	1 x IrDA,1 x GPIO,1 x AUDIO,1 x CDIN,1 x LVDS,2 x USB2.0,1 x SMBUS 1 x RS232/RS422/485,1 x LCD Inverter,2 x SATA,1 x HDTV,4 x RS232
<b>External I/O Port</b>	2 x RJ45 LAN ports,1 x DB15 VGA port and1 x PS/2 Keyboard/Mouse Port, 6 x USB2.0 ports,1 x SPDIF connector,1 x Serial Port, 1 x Audio
<b>Power Requirement</b>	Standard 24-pin ATX power supply(20-pin is compatible)
<b>Dimension</b>	170mm x 170mm
<b>Temperature</b>	Operating within 0~60 centigrade Storage within -20~85 centigrade

## Ordering Code

<b>LV-67D</b>	Intel Atom processor with onboard VGA, Mini PCI, PCI-E Mini CARD Audio, SATA, GLAN, USB2.0, CF, GPIO, LVDS for 18-bit
<b>LV-67DD</b>	Same as above and with DVI
<b>LV-67DX</b>	Same as above and with secondary LVDS for 18/24-bits
<b>ADP-L2T</b>	18bit LVDS to TTL module
<b>MPX-574D</b>	PCI Express mini card supports single Giga LAN
<b>MPX-574D2</b>	PCI Express mini card supports dual Giga LAN

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