

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



Form Factor	Mini-ITX motherboard
CPU	Intel Atom N270 processor 1.6GHz Package type: FCBGA8 , Front side bus: 533MHz
Memory	One 200-pin DDR2 400/533 SO-DIMM SDRAM up to 2GB Non-ECC, unbuffered memory supported only
Chipset	Intel 945GSE & ICH7M
Real Time Clock	Chipset integrated RTC with onboard lithium battery
Watchdog Timer	Generates a system reset with internal timer for 1min(sec) ~ 255min(sec)
Power Management	ACPI 1.0 compliant, supports power saving mode
VGA Interface	Intel integrated extreme GMA 950(Graphic Media Accelerator) Technology
Video Memory	Up to 224MB shared with system memory
LVDS interface	Onboard 18-bit dual channel LVDS connector Optional: Secondary Chrontel CH7308 LVDS transmitter for 18/24-bit dual channel LVDS interface with +3.3V/+5V/+12V supply. (LV-67DX Only)
DVI Interface	Optional: Chrontel CH7307C DVI transmitter with 26-pin DVI connector. (LV-67DD Only)
Solid State Disk	IDE supports 44-Pin Disk On Module with +5V power supply One Compact Flash Type II socket
Serial ATA interface	2 x serial ATA interface with 150MB/s transfer rate
Audio Interface	Intel ICH7-M integrated with Realtek ALC888 7.1CH HD Audio
LAN Interface	2 x Intel 82574L Gigabit Ethernet controllers
GPIO interface	Onboard programmable 8-bit Digital I/O interface
Extended Interface	1 x Mini-PCI socket 、 1 x PCI Slot 、 1 x PCIE Mini CARD(USB interface share with internal USB header)
Internal I/O Port	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, 1 x slim FDD
External I/O Port	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
Power Requirement	Standard 24-pin ATX power supply (20-pin is compatible)
Dimension	170mm x 170mm
Temperature	Operating within 0~60 centigrade Storage within -20~85 centigrade

Ordering Code

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

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