

Industrial Single Board Computer

5.25" Embedded motherboard LE-575

Intel Atom processor

Onboard VGA, LVDS, Giga LAN,

Mini PCI, PCI, USB2.0, SATA, Serial port,

HD Audio and Compact Flash socket

Form Factor	5.25" Embedded motherboard
CPU	Intel Atom N270 processor 1.6GHz Package type: FCBGA8, Front side bus: 533MHz
Memory	One 200-pin DDR2 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. (LE-575X2 Only)
DVI Interface	Optional: Chrontel CH7307C DVI transmitter with 26-pin DVI connector. (LE-575XD 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 2CH HD Audio
LAN Interface	4 x Intel 82574L Gigabit Ethernet controllers
GPIO interface	Onboard programmable 8-bit Digital I/O interface
Extended Interface	2 x Mini-PCI socket, 1 x PCI Slot
Internal I/O Port	1 x IrDA, 1 x GPIO, 1 x AUDIO, 1 x CDIN, 1 x LVDS, 6 x USB2.0, 1 x SMBUS 1 x RS232/RS422/485, 1 x LCD Inverter, 2 x SATA, 1 x HDTV, 4x RS232 1 x Parallel port, 1 x Slim FDD, 1 x PS/2, 1 x SPDIF
External I/O Port	4 x LAN ports, 2 x USB2.0 ports, 1 x Serial Port, 1 x VGA, 1 x 2pin Power jack
Power Requirement	Standard 24-pin ATX power supply (20-pin is compatible) 9~24V full range DC input
Dimension	146mm x 203mm
Temperature	Operating within 0~60 centigrade Storage within -20~85 centigrade



Ordering Code

LE-575X	Intel Atom processor with onboard VGA, Mini PCI, Audio, SATA, GLAN, USB2.0, CF, GPIO, LVDS for 18-bits
LE-575XD	Same as above and with DVI
LE-575X2	Same as above and with secondary LVDS for 18/24-bits