

# Industrial Single Board Computer

## 3.5" Miniboard

### LE-376

Intel® Atom™ Processor, Onboard LVDS  
VGA, Giga LAN, USB2.0, HD Audio,  
SATA, CF socket, PCIE Mini-Card



<b>Form Factor</b>	3.5" Miniboard
<b>CPU</b>	Intel® Atom™ N450 processor 1.66GHz(LE-376G) Intel® Atom™ D410 processor 1.66GHz(LE-376H) Intel® Atom™ D510 processor 1.66GHz(LE-376A) Package type: FCBGA559
<b>Memory</b>	1 x 200-pin DDR2 667 SO-DIMM SDRAM up to 2GB(LE-376G Only) 1 x 200-pin DDR2 667 SO-DIMM SDRAM up to 4GB(LE-376H/A Only) Non-ECC, unbuffered memory supported only
<b>System Chipset</b>	Intel ICH8M
<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 2.0 compliant, supports power saving mode
<b>Integrated Graphics</b>	Intel® integrated extreme GMA 3150(Graphic Media Accelerator) Technology
<b>Video Memory</b>	Up to 384MB shared with system memory
<b>LVDS interface</b>	Chipset Integrated 18-bit single channel LVDS with Hirose connector with +3.3V/5V supply
<b>Serial ATA interface</b>	2 x serial ATAII interface with 300MB/s transfer rate
<b>Solid State Disk</b>	1 X Compact Flash Type II socket
<b>Audio Interface</b>	Intel ICH8M integrated with Realtek ALC888 HD Codec
<b>LAN Interface</b>	Intel 82583V Gigabit Ethernet controller
<b>Extended Interface</b>	1 x PCIE Mini card socket, 1 x Mini PCI socket to support Mini PCI Type III B
<b>Internal I/O Port</b>	1 x RS232/RS422/485 , 4 x RS232 , 1 x LVDS , 1 x CN_INV, 1x LPT , 1 x IrDA 4 x USB2.0 , 2 x SATAII , 1 x SMBUS , 1 x DC_OUT , 1 x CN_PS2 , 1 x DIO and 1 x HD Audio
<b>External I/O Port</b>	3x RJ45 , 1 x USB , 1 x VGA port , 1 x RS232 port
<b>Power Requirement</b>	9~24V DC Input
<b>Dimension</b>	146mm x 101mm
<b>Temperature</b>	Operating within 0~60 centigrade Storage within -20~85 centigrade

## Ordering Code

<b>LE-376G</b>	Support Intel® Atom <b>N450</b> processor with onboard VGA, LVDS for 18-bits, Audio, Giga LAN,USB2.0, SATA , CF, PCIE mini card , Mini PCI
<b>LE-376H</b>	Support Intel® Atom <b>D410</b> processor with onboard VGA, LVDS for 18-bits, Audio, Giga LAN,USB2.0, SATA , CF, PCIE mini card , Mini PCI
<b>LE-376A</b>	Support Intel® Atom <b>D510</b> processor with onboard VGA, LVDS for 18-bits, Audio, Giga LAN,USB2.0, SATA , CF, PCIE mini card , Mini PCI