

# 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)<br>Intel® Atom™ D410 processor 1.66GHz(LE-376H)<br>Intel® Atom™ D510 processor 1.66GHz(LE-376A)<br>Package type: FCBGA559     |
| <b>Memory</b>               | 1 x 200-pin DDR2 667 SO-DIMM SDRAM up to 2GB(LE-376G Only)<br>1 x 200-pin DDR2 667 SO-DIMM SDRAM up to 4GB(LE-376H/A Only)<br>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 ATAll 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<br>4 x USB2.0 , 2 x SATAII , 1 x SMBUS , 1 x DC_OUT , 1 x CN_PS2 ,<br>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<br>Storage within -20~85 centigrade   |

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## 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 |

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