

# Industrial Single Board Computer

## 3.5 inch Miniboard

### LE-375

Intel® Atom™ Processor, Onboard LVDS  
VGA, DVI, Giga LAN, USB2.0, AC97 Audio  
SD, IDE & CF socket, PCIE Mini-Card



<b>Form Factor</b>	3.5 inch Miniboard
<b>CPU</b>	Intel® Atom™ Z510P/Z510PT processor 1.1GHz Intel® Atom™ Z520PT processor 1.33GHz Package type: 437pin FCBGA8 with an IHS, Front side bus: 400/533MHz
<b>Memory</b>	One 200-pin DDR2 400/533 SO-DIMM SDRAM up to 2GB Non-ECC, unbuffered memory supported only <b>*Memory chip with width x16 bits is strongly recommended!</b>
<b>System Chipset</b>	Intel® SCH US15WP/US15WPT
<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>Integrated Graphics</b>	Intel® integrated extreme GMA 500(Graphic Media Accelerator) Technology
<b>Video Memory</b>	Up to 256MB shared with system memory
<b>LVDS interface</b>	Chipset Integrated 18/24-bit single channel LVDS with Hirose connector Chrontel CH7308 Transmitter to provide dual channel to supersede integrated LVDS
<b>DVI Interface</b>	Chrontel CH7307C Transmitter with HDMI connector for DVI interface
<b>VGA Interface</b>	Chrontel CH7317A Transmitter with DSUB15 connector for VGA interface
<b>Solid State Disk</b>	IDE supports 44-Pin Disk On Module with +5V power supply One Compact Flash Type II socket & one SD 1.1 socket
<b>Audio Interface</b>	Intel® SCH integrated with Realtek ALC888 HD Codec
<b>LAN Interface</b>	Intel® 82574L/82574IT Gigabit Ethernet controller
<b>GPIO interface</b>	Onboard programmable 8-bit Digital I/O interface
<b>Extended Interface</b>	1 x PCIE mini card socket
<b>Internal I/O Port</b>	1 x IrDA, 1 x GPIO, 1 x AUDIO, 1 x CDIN, 1 x LVDS, 1 x LCD Inverter, 4 x USB2.0 1 x RS232/RS422/485, 1 x SMBUS, 1 x LPC
<b>External I/O Port</b>	1 x COM, 1 x VGA/DVI, 1 x RJ45, 2 x USB2.0, 1 x PS2
<b>Power Requirement</b>	9~24V full range DC Input
<b>Dimension</b>	146mm x 101mm
<b>Temperature</b>	Operating within 0~60 centigrade/ <b>Wide-Temperature:</b> Operating within -20~85 centigrade Storage within -20~85 centigrade/ <b>Wide-Temperature:</b> Storage within -40~85 centigrade

#### Taiwan Commate Computer Inc.

19F, NO. 94, Sec. 1, Shin Tai Wu Rd., Hsi Chih, Taipei Shien, Taiwan.

TEL: +886-2-26963909

Website:[www.commell.com.tw](http://www.commell.com.tw)

FAX: +886-2-26963911

E-mail:[info@commell.com.tw](mailto:info@commell.com.tw)



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## Ordering Code

<b>LE-375QT</b>	Support Intel® Atom Z510P processor with onboard <b>VGA</b> , LVDS, Audio, Giga LAN USB2.0, CF, SD, GPIO, PCIE mini card
<b>LE-375QD</b>	Same as LE-375QT but without VGA, support <b>DVI</b>
<b>LE-375QX</b>	Same as LE-375QT but without VGA, support 24bit <b>dual channel LVDS 1280 x 1024 resolution.</b>
<b>LE-375RT</b>	Support Intel® Atom Z510PT processor with onboard <b>VGA</b> , LVDS, Audio, Giga LAN USB2.0, CF, SD, GPIO, PCIE mini card, <b>Wide-Temperature Range.</b>
<b>LE-375RD</b>	Same as LE-375RT but without VGA, support <b>DVI.</b>
<b>LE-375RX</b>	Same as LE-375RT but without VGA, support 24bit <b>dual channel LVDS 1280 x 1024 resolution.</b>
<b>LE-375PT</b>	Support Intel® Atom Z520PT processor with onboard <b>VGA</b> , LVDS, Audio, Giga LAN USB2.0, CF, SD, GPIO, PCIE mini card, <b>Wide-Temperature Range.</b>
<b>LE-375PD</b>	Same as LE-375PT but without VGA, support <b>DVI.</b>
<b>LE-375PX</b>	Same as LE-375PT but without VGA, support 24bit <b>dual channel LVDS 1280 x 1024 resolution.</b>

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