

# Industrial Single Board Computer

## 3.5" Miniboard

### LS-373

Support Intel Core 2 Duo CPU with DDRIII SO-DIMM,  
CRT, LVDS, Gigabit LAN, Mini PCI, Serial ATAI, PCI  
Express mini card and HD Audio



<b>Form Factor</b>	3.5" Miniboard
<b>CPU</b>	Support Intel Core 2 Duo Processor Package type: Micro-FCPGA478 ( <b>Socket-P</b> ) Front side bus: 667/800/1066 MHz
<b>Memory</b>	One DDRIII SO-DIMM 800/1066 up to 2GB Non-ECC, unbuffered memory supported only
<b>Chipset</b>	Intel GM45 & ICH9M(82801IBM)
<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/s ~ 255min/s
<b>Power Management</b>	ACPI 2.0 compliant, supports power saving mode
<b>Serial ATA Interface</b>	2 x serial ATAI interface with 300MB/s transfer rate
<b>VGA Interface</b>	Intel integrated extreme GMA X4500(Graphic Media Accelerator) Technology
<b>LVDS Interface</b>	Onboard 24-bit dual channel LVDS connector with +3.3V/+5V/+12V supply
<b>Audio Interface</b>	Intel integrated ICH9M with Realtek ALC888 HD Audio
<b>LAN Interface</b>	2 x Intel 82574L Gigabit LAN
<b>GPIO Interface</b>	Onboard programmable 8-bit Digital I/O interface
<b>Extended Interface</b>	1 x PCIE Mini card socket, 1 x Mini PCI socket to support Mini PCI Type IIIA
<b>Internal I/O Port</b>	1 x RS232/422/485, 1 x SMBUS, 1 x GPIO, 1 x HDTV, 4 x USB ports, 1 x IrDA, 1 x LVDS, 1 x LCD inverter, 2 x Serial ATA, 1 x DC_OUT, 1 x Front panel , 1 x CD_IN and 2 Channel Audio
<b>External I/O Port</b>	1 x PS/2, 2 x RJ45 LAN ports, 1 x VGA port, 1 x RS232 port and 1 x SPDIF
<b>Power Requirement</b>	12V DC Input
<b>Dimension</b>	146mm x 101mm
<b>Temperature</b>	Operating within 0~60 centigrade Storage within -20~85 centigrade

#### Ordering Code

<b>LS-373</b>	Onboard VGA, LVDS, HDTV, 2 x LAN, 4 x USB2.0, HD Audio, 2 x SATA, SMBUS, Mini PCI and PCI Express mini card
<b>MPX-574D</b>	PCI Express mini card supports single Giga LAN
<b>MPX-SDVOD</b>	SDVO to DVI module
<b>ADP-L2T</b>	18bit LVDS to TTL module

For further product information please visit the website at <http://www.commell.com.tw>

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