

# Industrial Single Board Computer

## Pico-ITX

### LP-180

AMD G-T56N Processor, LVDS, VGA,  
DVI, Giga LAN, USB2.0, HD Audio,  
SATA, Mini Card



<b>Form Factor</b>	Pico-ITX
<b>CPU</b>	AMD G-Series T56N Processor 1.6GHz
<b>Memory</b>	1 x 204-pin DDR3 1066/1333 SO-DIMM SDRAM up to 4G
<b>System Chipset</b>	AMD A55E FCH
<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>Integrated Graphics</b>	AMD Radeon HD 6300 series Graphics
<b>Video Memory</b>	Up to 512MB shared with system memory
<b>LVDS interface</b>	Chipset Integrated 18-bit single channel LVDS with Hirose connector with +3.3V/5V supply(LP-180X)
<b>DVI interface</b>	Support 20 pin-header for DVI interface(LP-180D)
<b>Serial ATA interface</b>	1 x serial ATAI interface with 300MB/s transfer rate(Only 2.5" HDD)
<b>Audio Interface</b>	Realtek ALC888 HD Codec
<b>LAN Interface</b>	Intel 82583V Gigabit Ethernet controller
<b>Extended Interface</b>	1 x PCIE Mini card socket
<b>Internal I/O Port</b>	2 x RS232 , 1 X DVI or LVDS, 1 x CN_INV , 1x LPC , 4 x USB2.0 , 1 x SATAII , 1 x DC_IN , 1 x DC_OUT , 1 x HD Audio
<b>External I/O Port</b>	1x RJ45 , 1 x VGA port , 1 x PS/2
<b>Power Requirement</b>	Only +5V DC Input
<b>Dimension</b>	100mm x 72mm
<b>Temperature</b>	Operating within 0~60 centigrade Storage within -20~85 centigrade

### Ordering Code

<b>LP-180D</b>	Same as LP-180 but without VGA, support <b>DVI</b>
<b>LP-180X</b>	Same as LP-180 but without VGA, support <b>Chipset Integrated 18-bit single channel LVDS</b>
<b>MPX-750</b>	Mini PCI express Graphics Card

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