

# Industrial Single Board Computer

## Mini-ITX motherboard

### LV-651

AMD Geode LX800 with VGA,  
LCD , GigaLAN, IEEE1394,  
USB2.0, GPIO, Mini PCI,  
AC97 Audio, CF card



<b>Form Factor</b>	Mini-ITX from factor
<b>CPU</b>	Embedded AMD Geode LX800 Processor
<b>Memory</b>	One 184-pin DIMM socket supports up to 1GB DDR SDRAM Optional on board 256M DDR SDRAM
<b>Chipset</b>	AMD LX800 & CS5536
<b>Real Time Clock</b>	Chipset integrated RTC with onboard lithium battery
<b>Watchdog Timer</b>	Generates a system reset with internal timer for 1 ~ 255 sec (min)
<b>Power Management</b>	ACPI 1.0 and APM 1.2 compliant supports power saving mode
<b>VGA Interface</b>	AMD Geode LX800 built-in high performance 2D Graphic Supports CRT, 24-bit TFT LCD & 18/24-bit single channel LVDS LCD
<b>Video Memory</b>	Up to 256MB shared with system memory
<b>PCI Enhanced IDE</b>	One 44-pin IDE interface supports up to 2 ATAPI devices
<b>Solid State Disk</b>	IDE supports 44-Pin Disk On Module with +5V power supply One Compact Flash Type II
<b>Audio Interface</b>	Realtek ALC203 AC97 Audio
<b>LAN Interface</b>	1 x Realtek RTL8110S-32 Gigabit Ethernet controller
<b>GPIO interface</b>	Onboard programmable 8-bit Digital I/O interface
<b>Extended Interface</b>	1 x PCI slot, 1 x Mini-PCI socket
<b>Internal I/O Port</b>	1 x RS232, 1 x RS232/422/485, 1 x GPIO, 1 x AUDIO, 1 x TFT, 1 x LVDS, 1 x Inverter, 1 x FDD, 1 x IrDA, 2 x USB2.0
<b>External I/O Port</b>	1 x PS2, 1 x Audio, 1 x CRT, 1 x RJ45, 2 x USB2.0, 1 x LPT, 1 x IEEE1394, 1 x DC_IN
<b>Power Requirement</b>	Standard 20-pin ATX power supply or 8~24 full range DC input
<b>Dimension</b>	170mm x 170mm
<b>Temperature</b>	Operating within 0~60 Storage within -20~85

#### Ordering Code

<b>LV651X-P</b>	AMD LX800 processor Mini-ITX with onboard VGA, GigaLAN, LPT, RS232 USB2.0, Audio, IEEE1394, LCD and DDR DIMM
<b>LV651X-256</b>	Same as above but with 256M DDR SDRAM on board

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