

Industrial Single Board Computer

Ultra Compact Mini-ITX motherboard LV-650

Mini-ITX embedded AMD GX1 System
With AMD GX1 CPU & CS5530 Chipset,
Onboard VGA, 2 Channel Audio ,GPIO
10/100Mbps LAN,USB 1.1 and TTL/LVDS
Interface



Form Factor	Mini-ITX motherboard at 170mm x 170mm
CPU	AMD Geode GX1 300MHz processor
Memory	Optional onboard 64/128MB SDRAM One 168-Pin DIMM slots support up to 256MB SDRAM
Chipset	AMD GX1 CPU and CS5530 chipset
Real Time Clock	Chipset integrated RTC with onboard lithium battery
Watchdog Timer	Generates a system reset with internal timer for 1min/s ~ 255min/s
PCI Enhanced IDE	Dual UltraATA66 IDE channels supports up to 4 ATAPI devices
Expansive Slot	1 x ISA expansive slot
VGA Interface	AMD Geode CS5530 VGA 2D controller, Up to 4MB of video memory shared with system memory 18-bit TFT LCD/flat panel/CRT display up to 1280 x 1024(SVGA) Onboard TTL/LVDS interface
Audio Interface	Realtek ALC201A AC97 Audio
LAN Interface	Dual Realtek 8100B 10/100Mbps Ethernet controller
GPIO interface	16-bit programmable digital I/O interface
External I/O Port	PS/2 keyboard and mouse,DB25 female LPT port,DB15 female VGA,RJ45 LAN,dual USB,DB9 male COM1 and COM2,Audio speaker jack
Internal I/O Port	PS/2 keyboard and mouse,parallel and IrDA port,2 x USB ports 1 x external RS232 and 1 x external RS232/422/485
Power Requirement	4-Pin P4 use +12V power connector 4-Pin Mini Din Adapter Jack
Input Voltage Range	11V~13V
Input Current	12V/2A 24W (without panel,HDD and CD-ROM)
Dimension	170mm x 170mm
Temperature	0 to 60 centigrade

Ordering Code

LV-650-P	Mini-ITX motherboard with on board VGA,Dual LAN,USB,GPIO,Audio,ISA slot, LVDS/TTL interface
LV-650-64	Same as LV-650-P but with onboard 64MB SDRAM
LV-650-128	Same as LV-650-P but with onboard 128MB SDRAM