

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



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|----------------------------|--|
| 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

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|-------------------|--|
| 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 |