

Industrial Single Board Computer

Mini-ITX motherboard

LV-682

Support AMD Mobile Turion 64 X 2/ Sempron processor, Onboard VGA, Gigabit LAN, USB2.0, Mini-PCI, DVI, LVDS, Audio and serial ATA II



Form Factor	Mini-ITX motherboard
CPU	Support AMD Mobile Turion 64 X 2 638-pin Processor AMD Mobile Sempron 638-pin Processor Package type: uPGA 638 Hyper Transport : 800MHz
Memory	Two DDRII 533/667MHz So-DIMM 200 Pin up to 4GB with dual channel Interleaved mode
Chipset	ATI RS690E + ATI SB600
Real Time Clock	ATI SB600 built - in RTC with Lithium battery
Watchdog Timer	System reset programmable watchdog timer with 1~255 Min/Sec. of time-out
Power Management	ACPI 1.0 and APM 1.2 compliant
PCI Enhanced IDE	One 44-pin UDMA 33 ATA IDE interface supports up to 2 ATAPI devices
Serial ATA Interface	2 x serial ATA II interface with 300MB/s transfer rate (RAID 0/1)
VGA Interface	ATI RS690E chipset an ATI RADEON X-1250-based 2D/3D graphics engine
Video Memory	Up to 256MB shared with system memory
LVDS interface	Onboard only 24-bit dual channel LVDS connector with +5V and +3.3V LVDS Inverter Power Connector
Audio Interface	ATI SB690 with Realtek ALC655 AC97 Codec
LAN Interface	2 x Realtek RTL8111B Giga LAN
Solid State Disk	IDE supports 44-pin Disk On Module with +5V power supply One Compact Flash Type II
GPIO interface	Onboard programmable 16-bit Digital I/O interface
Extended Interface	One Mini PCI socket to support Mini PCI Type III One PCI Connector
Internal I/O Port	2 x RS232 port, 1 x GPIO port, 4 x USB ports, 1 x 44-pin IDE, 1 x LVDS Connector, 1 x DVI Connector, 1 x Compact Flash Slot, 1x CPU Fan Connector, 1 x System Fan Connector, 1 x 1394 Connector, 1 x CDIN Connector, 2 x SATA II Connector, 1 x Front Audio Connector and 1 x 4-Pin Power Connector

External I/O Port	2 x RJ45 LAN ports, 1 x RS232 port, 1 x RS232/422/485, 1 x PS/2 Keyboard/Mouse Port, 4 x USB2.0 ports, 1 x Line-out/Front, Line-in/Rear, MIC-in/Center, CRT port and 4-pin DC adaper
Power Requirement	Standard 20-pin ATX power supply 8~21 full range 4-pin DC adaper
Dimension	170mm x 170mm
Temperature	Operating within 0~60 centigrade(32°F~140°F) Storage within -20~80 centigrade (-68°F~176°F)

Ordering Code

LV-682	AMD Mobile Turion 64 X 2/ Sempron 638-pin Processor, ATI RS690E + ATI SB600, 2 x Giga LAN, 8 x USB, PCI, Mini PCI
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For further product information please visit the website at <http://www.commell.com.tw>

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