

Industrial Single Board Computer

Mini-ITX motherboard

LV-681

Support AMD Mobile Turion 64/ Sempron processor, Onboard VGA, Gigabit LAN, USB2.0, Mini-PCI, LVDS interface, Audio, serial ATA



Form Factor	Mini-ITX motherboard
CPU	Support AMD Mobile Turion 64 638-pin Processor AMD Mobile Sempron 638-pin Processor Package type: uPGA 638 Hyper Transport : 800MHz
Memory	Two DDRII 400/533MHz DIMM up to 2GB with dual channel Interleaved mode
Chipset	ATI RS485M + ATI SB460
Real Time Clock	ATI SB460 built – in RTC with Lithium battery
Watchdog Timer	System reset programmable watchdog timer with 1 ~ 255 Min. of time-out
Power Management	ACPI 1.0 and APM 1.2 compliant
PCI Enhanced IDE	One 40-pin UDMA 66/ 100 / 133 ATA IDE interface supports up to 2 ATAPI devices
Serial ATA Interface	2 x serial ATA interface with 150MB/s transfer rate
VGA Interface	ATI RS485M chipset an ATI RADEON X-300-based 2D/3D graphics engine
Video Memory	Up to 256MB shared with system memory
LVDS interface	Onboard 18-bit dual channel LVDS connector
Audio Interface	ATI SB460 with Realtek ALC655 Codec
LAN Interface	2 x Realtek RTL8111B Giga LAN
Solid State Disk	IDE supports 40-pin Disk On Module with +5V power supply One Compact Flash Type II
GPIO interface	Onboard programmable 8-bit Digital I/O interface
Extended Interface	One Mini PCI socket to support Mini PCI Type III One Slim PCI Connector
Internal I/O Port	2 x RS232 port , 1 x GPIO port, 4 x USB ports, 1 x 40-pin IDE 1 x LVDS Connector , 1 x Slim PCI Connector , 1 x Compact Flash Slot, 1 x Mini - PCI Slot , 2 x So DIMM Slot , 2 x CPU Fan Connector and 1 x System Fan 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 and MIC-in/Center

Power Requirement	Standard 20-pin ATX power supply
Dimension	170mm x 170mm
Temperature	Operating within 0~60 centigrade(32°F~140°F) Storage within -20~85 centigrade (-68°F~176°F)

Ordering Code

LV-681 AMD Mobile Turion 64/ Sempron 638-pin Processor, ATI RS485M + ATI SB460
Giga LAN, USB

For further product information please visit the website at <http://www.commell.com.tw>

Taiwan Commate Computer Inc.

8F, NO. 94, Sec. 1, Shin Tai Wu Rd., Hsi Chih, Taipei Shien, Taiwan.

TEL: +886-2-26963909

Website: www.commell.com.tw

FAX: +886-2-26963911

E-mail: info@commell.com.tw

