

Industrial Single Board Computer

Mini-ITX Motherboard

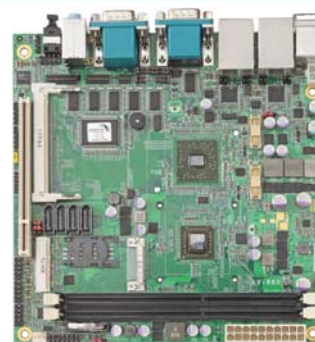
LV-683

AMD G-T56N Processor

Onboard VGA, DVI, HD Audio, Serial ATA,

Intel® Gigabit LAN, LVDS

PCIE Minicard, Mini PCI, PCI



Form Factor	Mini-ITX motherboard
CPU	AMD G-T56N Processor 1.6GHz
Memory	Two DDR3 1066/1333 DIMM up to 8 GB
Chipset	AMD A55E FCH
Real Time Clock	Chipset integrated RTC with onboard lithium battery
Watchdog Timer	Generates a system reset with internal timer for 1min(sec) ~ 255min(sec)
Integrated Graphics	AMD Radeon HD 6300 series Graphics
Video memory	Up to 512MB shared with system memory
LVDS Interface	Chipset Integrated 18-bit single channel LVDS with Hirose connector with +3.3V/5V supply
DVI Interface	Support 20pin-header for DVI interface
Serial ATA Interface	4 x serial ATAI interface with 300MB/s transfer rate
Audio Interface	Realtek ALC888 HD Codec
LAN Interface	Two Intel 82583V Gigabit Ethernet controller
Extended Interface	1 x PCIE Mini card socket, 1 x Mini PCI socket, 1 x PCI Solt.
Internal I/O Port	1 x RS232/RS422/485, 2 x RS232, 1 x LVDS, 1 x DVI, 1 x CN_INV, 1x LPT, 1x IrDA, 6 x USB2.0, 4 x SATAII, 1 x SMBUS, 1 x GPIO, 1 x HD Audio.
External I/O Port	2 x RJ45, 4 x USB, 1 x VGA port, 3 x RS232 port, 1 x PS/2, 1 x SPDIF, 1 x HD Audio.
Power Requirement	Standard 20-pin ATX power supply or Full ranged 5V~24V DC Input
Dimension	170mm x 170mm
Temperature	Operating within 0~60 centigrade

Ordering Code

LV-683	Onboard VGA, DVI, 2 x Gigabit LAN, 10 x USB2.0, 6 x serial Port, 4 x SATA, 1 x IrDA, Realtek HD Audio, Mini-PCI, PCIE Mini card, PCI.
MP-Z9S	Mini PCI 2D Graphics Card support DVI-I
MPX-750	PCI Express mini card support DVI-I

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

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