

Industrial Single Board Computer

Mini-ITX motherboard

LV-669

VIA Embedded C7 1.5G

With VGA, LVDS, DVI

2 x Giga LAN, 1x Mini PCI, 1 x PCI Slot,

AC97 AUDIO, 2 x SATA,

UDMA133 IDE and Compact Flash socket



Form Factor	Mini-ITX motherboard
CPU	Onboard VIA C7 1.5GHz
Memory	One 184-pin DIMM socket supports up to 1G DDR333/400 SDRAM Onboard optional 256MB DDR SDRAM
Chipset	VIA CN700 and VT8237R+
Real Time Clock	Chipset integrated RTC with onboard lithium battery
Watchdog Timer	Generate system reset with 1 to 255 sec./min of time out value
Power Management	ACPI 1.0 compliant, supports power saving mode
PCI Enhanced IDE	Ultra DMA133 bus master IDE channels up to 4ATAPI devices One 40-Pin IDE1 and one 44-Pin IDE2 interface
Serial ATA Interface	2 x serial ATA interface with 150MB/s transfer rate
VGA Interface	VIA CN700 integrated UniChrome Pro 3D/2D Graphics controller MPEG-2 Hardware accelerator integrated
Video Memory	Up to 64MB shared with system memory
LVDS Interface	Optional onboard VIA VT1632A LVDS Transmitter, 18/24 bit Dual Channel LVDS
DVI Interface	Optional onboard VIA VT1632A DVI Transmitter for DVI interface
Serial ATA interface	2 x Serial ATA interfaces with 150MB/s transfer rate, Raid 0/1 Support
Audio Interface	VIA VT8237R+ integrated with Realtek ALC655 5.1 channel AC97 Codec
Solid State Disk	IDE supports 44-Pin Disk On Module with +5V power supply One Compact Flash Type II
LAN Interface	2 x Realtek RTL8110S-32 Gigabit Ethernet controller
GPIO interface	Onboard programmable 8-bit Digital I/O interface
Extended Interface	1 x PCI slot, 1 x Mini-PCI socket
Internal I/O Port	2 x RS232, 1 x LPT, 1 x IrDA, 1 x GPIO, 1 x AUDIO, 1 x CDIN, 1 x LVDS, 1 x LCD Inverter, 2 x USB, 1 x FDD, 1 X DVI
External I/O Port	1 x PS2, 1 x Audio, 1 x VGA, 2 x RJ45, 4 x USB2.0, 1 x IEEE1394, 1 x RS232/422/485, 1 x COM, 1 x 2-pin power jack

Power Requirement	8~24V full range DC Input
Dimension	170mm x 170mm
Temperature	0~60°C (32~140F)

Ordering Code	
LV669D-P	VIA C7 1.5G with Onboard VGA, AUDIO, Giga LAN, USB2.0, COM, FDD, LPT, GPIO, Mini PCI, SATA, DVI
LV669D-256	The same as LV669D-P and with onboard 256MB DDR SDRAM
LV669X-P	VIA C7 1.5G with Onboard VGA, AUDIO, Giga LAN, USB2.0, COM, FDD, LPT, GPIO, Mini PCI, SATA, LVDS
LV669X-256	The same as LV669X-P and with onboard 256MB DDR SDRAM

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

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