

# 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



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

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

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