

# Industrial Single Board Computer

## Mini-ITX motherboard

### LV-66A

VIA Embedded C7 1.5G

With VGA, LVDS/DVI,

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

HD AUDIO, 4 x SATA II and UDMA 133 IDE



<b>Form Factor</b>	Mini-ITX motherboard
<b>CPU</b>	Onboard VIA C7 1.5GHz
<b>Memory</b>	Two 240-pin DIMM socket supports up to 4G DDR II 667/533/400 SDRAM
<b>Chipset</b>	VIA CN896 and VT8251
<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 DMA bus IDE channels up to 4ATAPI devices One 40-Pin IDE1 and one 44-Pin IDE2 connector
<b>VGA Interface</b>	Chrome9™ HC Integrated Graphics with 2D / 3D / Video Controllers MPEG-2 Hardware accelerator integrated
<b>Video Memory</b>	Up to 256MB shared with system memory
<b>LVDS/ DVI Interface</b>	Optional onboard VIA VT1636 LVDS Transmitter, 18/24 bit Dual Channel LVDS with +3.3V/+5V/+12V supply, Optional onboard VIA VT1632A DVI Transmitter for DVI interface
<b>Serial ATA interface</b>	4 x Serial ATA II interfaces with 300MB/s transfer rate, RAID 0/1/0+1/5/JBOD Support
<b>Audio Interface</b>	Realtek ALC888 7.1 channel HD Codec
<b>Solid State Disk</b>	IDE supports 44-Pin Disk On Module with +5V power supply
<b>LAN Interface</b>	2 x Realtek RTL8111C Gigabit Ethernet controller
<b>Solid State Disk</b>	One Compact Flash Type II (Optional)
<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>	1 x RS232/422/485, 1 x LPT, 1 x IrDA, 1 x GPIO, 1 x AUDIO, 1 x CDIN, 1 x LVDS/DVI, 1 x LCD Inverter, 2 x USB, 1 x FDD, 1 x VGA,
<b>External I/O Port</b>	1 x PS2, 1 x Audio, 1 x VGA, 2 x RJ45, 6 x USB2.0, 1 x COM, 1 x SPDIF,

<b>Power Requirement</b>	Standard 20-pin ATX power supply 12V DC Input (Optional)
<b>Dimension</b>	170mm x 170mm
<b>Temperature</b>	0~60°C (32~140F)

<b>Ordering Code</b>	
<b>LV-66A</b>	VIA C7 1.5G with Onboard VGA, AUDIO, <b>1X Giga LAN</b> , USB2.0, COM, FDD, LPT, GPIO, Mini PCI, SATA, SPDIF
<b>LV-66AD</b>	VIA C7 1.5G with Onboard VGA, AUDIO, 2XGiga LAN, USB2.0, COM, FDD, LPT, GPIO, Mini PCI, SATA, SPDIF, <b>DVI</b>
<b>LV-66AX</b>	VIA C7 1.5G with Onboard VGA, AUDIO, 2X Giga LAN, USB2.0, COM, FDD, LPT, GPIO, Mini PCI, SATA, SPDIF, <b>LVDS</b>

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