

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



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

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

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

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

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