

# 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<br>One 40-Pin IDE1 and one 44-Pin IDE2 connector                                                                        |
| <b>VGA Interface</b>        | Chrome9™ HC Integrated Graphics with 2D / 3D / Video Controllers<br>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,<br>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<br>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>

**Taiwan Commate Computer Inc.**

8F, NO. 94, Sec. 1, Shin Tai Wu Rd., Hsi Chih, Taipei Shien, Taiwan.

TEL: +886-2-26963909

Website:[www.commell.com.tw](http://www.commell.com.tw)

FAX: +886-2-26963911

E-mail:[info@commell.com.tw](mailto:info@commell.com.tw)