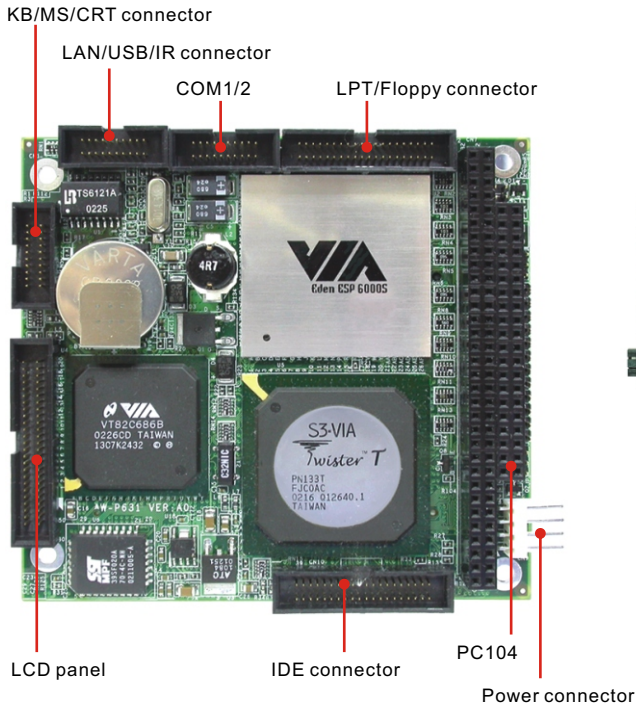
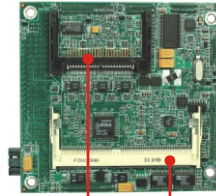


## VIA Eden™ Low Power PC/104 Module with VGA/LCD, LAN & SSD



## ▶▶▶ Features

### (Rear view)



- ▶ VIA Eden™ (EBGA packaging) CPU
- ▶ Supports CRT, 18-bit TFT LCD panel interface
- ▶ One 32-bit PCI-bus 10/100Mbps Ethernet interface
- ▶ Two RS-232 serial ports
- ▶ PC/104 connector for flexible expansion capabilities
- ▶ Two USB 1.1 ports, one IrDA, one parallel port and PS/2 KB/mouse port
- ▶ Supports FDD and IDE HDD connector
- ▶ Digital I/O : four input and four output
- ▶ Watchdog timer

## Specifications

General Functions	
<b>CPU</b>	VIA Eden™ (EBGA packaging) CPU
<b>BIOS</b>	Award® 256KB Flash BIOS
<b>Chipset</b>	VIA VT8606 + VT82C686B
<b>I/O Chipset</b>	Built-in VT82C686B
<b>Memory</b>	Onboard one 144-pin SO-DIMM sockets supports up to 512MB
<b>Enhanced IDE</b>	Supports two IDE devices, shared with SSD; supports Ultra DMA 33/66/100 mode with data transfer rate up to 100MB/sec.
<b>FDD Interface</b>	Supports one floppy disk drive
<b>Parallel Port</b>	One bi-directional parallel port, supports SPP/ECP/EPP modes
<b>Serial Port</b>	Two RS-232 serial ports
<b>IR Interface</b>	Supports one IrDA Tx/Rx header
<b>KB/Mouse Connector</b>	Header on board supports PS/2 keyboard and mouse
<b>USB Connectors</b>	Header on board supports dual USB 1.1 ports
<b>Battery</b>	Lithium battery
<b>Watchdog Timer</b>	Can generate a system reset or IRQ11, supports software selectable timeout interval
<b>Digital I/O</b>	Four digital input and four output
<b>PC/104 Connector</b>	One PC/104 connector for ISA expansion board
Flat Panel/CRT Interface	
<b>Chipset</b>	VIA VT8606
<b>Display Memory</b>	Share system memory 8/16/32MB
<b>Display Type</b>	Supports CRT and 18-bit TFT LCD panel interface
<b>Resolution</b>	Flat panel displays supports up to 1024 x 768@18bpp TFT panel and CRT monitors up to 1024 x 768@16bpp or 1280 x 1024@8bpp
Ethernet Interface	
<b>Chipset</b>	One Intel® 82559ER 100Base-Tx Fast Ethernet controller
<b>Ethernet Interface</b>	PCI 10/100Mbps Ethernet controller. IEEE 802.3U protocol compatible
SSD Interface	
	One 50-pin CompactFlash™ type II socket
Mechanical and Environmental	
<b>Power Supply Voltage</b>	+5V(4.75V to 5.25V)
<b>Max. Power Requirements</b>	4A@5V
<b>Operating Temperature</b>	32° to 140°F (0° to 60°C)
<b>Board Size (LxW)</b>	96mm(L) x 90mm(W) (3.77" L x 3.54" W)

▶ Note: All specifications are subject to change without prior notice

## Order Information

AW-P631C	VIA Eden™-400MHz CPU onboard, VGA/LCD/LAN, SSD (w/CPU cooler fan)
AW-P631F	VIA Eden™-733MHz CPU onboard, VGA/LCD/LAN, SSD (w/CPU cooler fan)