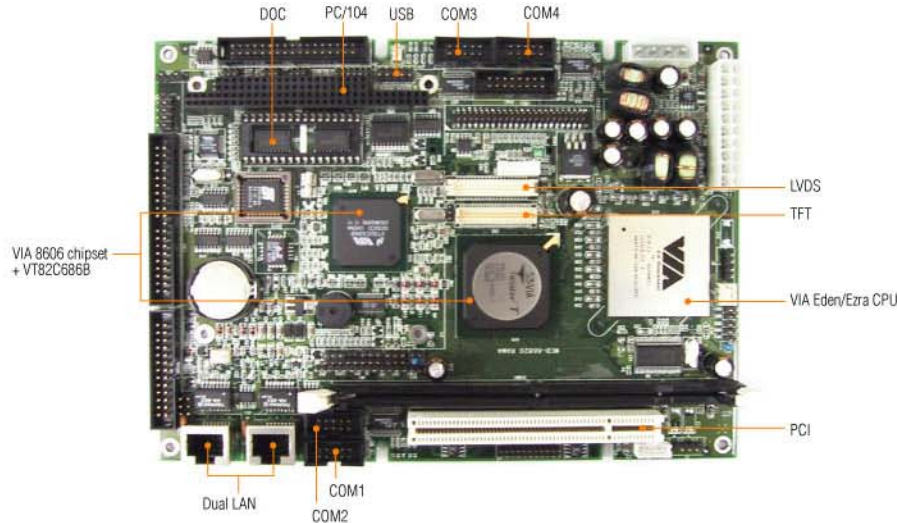


# SBE6682

## 5.25" VIA Eden/ C3 Embedded Board



### Features

- Onboard VIA Eden or C3 Ezra low-power EPGA CPU
- VIA VT8606 + VT82C686B Chipset with 133MHz FSB
- Built-in VIA S3 AGP4X VGA, shared system memory up to 32MB.
- Supports both TTL & LVDS LCD Panels, and TV-out
- Dual Realtek8100BL 10/100 Base-Tx Fast Ethernet
- PCI and PC/104 expansion interfaces
- Support both CompactFlash and DiskOnChip Flash Disks
- Fanless operation with VIA Eden low-power CPU



### Ordering Information

**SBE6682-P400:** VIA Eden ESP4000 5.25" EBC with LCD, 4x COM, CF, DOC, Dual LAN, & TV-out

**SBE6682-1G:** VIA C3 1GHz 5.25" EBC with LCD, 4x COM, CF, DOC, Dual LAN, & TV-out

### Specification

SYSTEM	
CPU	Onboard VIA Eden 400/667/733MHz or C3 1GHz CPU
Front Side Bus	Support FSB 66/100/133 MHz
Chipset	VIA VT8606 + VT82C686B
Main Memory	One 168-pin SDRAM DIMM socket support up to 512MB PC133 memory
BIOS	AMI with 2MB Flash ROM
Audio	AC97 1.0 and 2.0 compliant, provides Line-In, Line-Out, Mic-in, and CD-in interfaces
SSD	1x CompactFlash socket supports CF type I/II storage devices 1x DiskOnChip socket supports M-System Flash disk up to 288MB
Watchdog Timer	1~63 seconds, software programmable
Power	+5V / 3.82A, +12V / 0.21A (with Eden 733MHz)
Requirement	+5V / 5.92A, +12V / 0.2A (with C3 Ezra 1GHz)
Temperature	0°C ~60°C
Humidity	5%~95%, non-condensing
Dimension	203mm x 146mm (8"x5.75")
DISPLAY	
Controller	Built in VIA VT8606 AGP4X graphics
VGA Memory	Shared system memory up to 32MB
Interface	CRT output with pin-header 36-bit Dual channel LVDS, 18-bit LVDS, or 36-bit TFT Panel
TV-out	Composite and S-Video output with pin-header (WTB-TV01)
I/O	
IDE	1x 40-pin connector support two UDMA33/66/100 devices 1x 44-pin connector support one UDMA33 device (slave only)
FDD	1x FDD interface supports 2x FDDs
Parallel port	1x Parallel port
Serial ports	4x Serial ports
USB	Support 2 USB 1.1 ports with pin-header
K/B & Mouse	JST pin-header connector, supports K/B and PS/2 mouse
Expansion	1x PCI slot, and 1x 104-pin PC/104 connector
Mechanical & Environmental	
Controller	2x Realtek 8100B(L) (optional Intel82559)
Connector	2x IEEE 802.3u 10/100 Base-Tx Fast Ethernet RJ-45 connectors