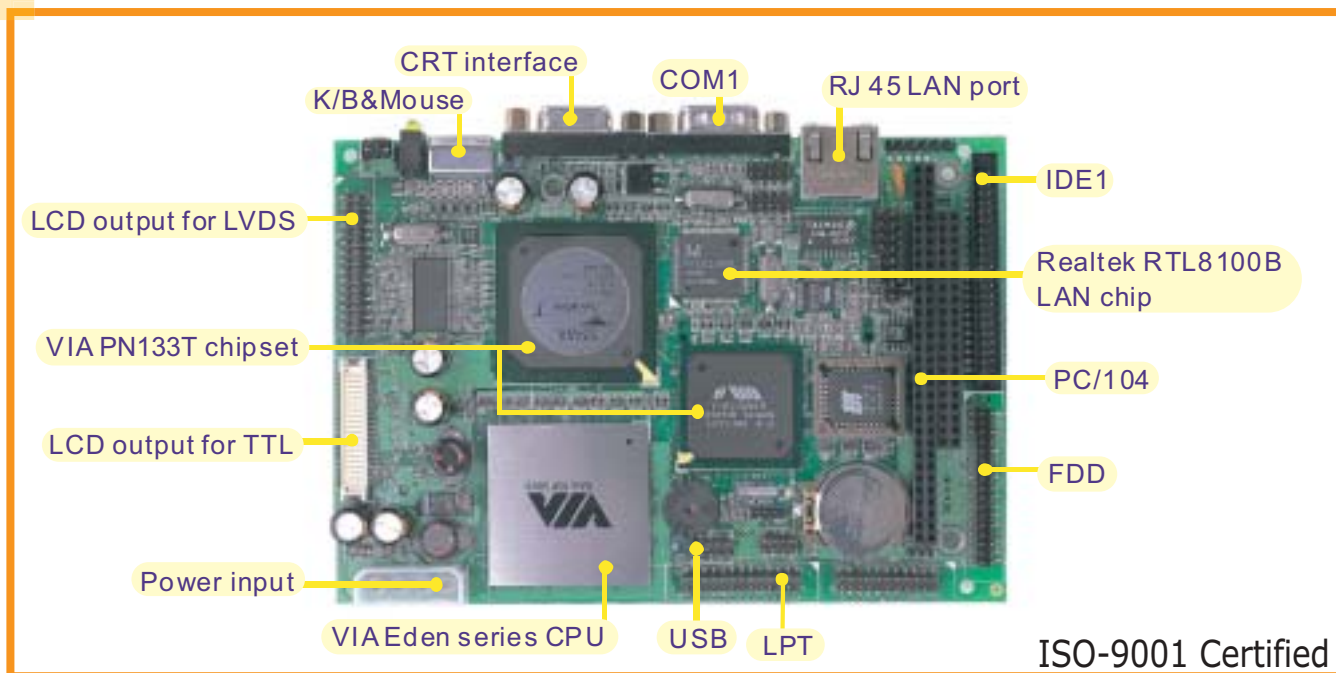


# ► Wincomm WEB-6580

## 3.5" Embedded CPU Card

[www.wincomm.com.tw](http://www.wincomm.com.tw)



### ► Introduction

Wincomm launched the unprecedented performance's 3.5" embedded board computer, WEB-6580. Powered by VIA Eden low-power consumption's CPUs from 400MHz to 800 MHz, this board fits slim systems and discard the user's anxiety for the CPU cooling fan space. With this kind of product, platforms built-in a small enclosure can further miniaturize their system architectures and offer the market more compact products-all these without sacrificing the cost and functionality of the system, such as CTI, networking, communication, iKetc.

Supporting SXGA+, UXGA and UXGA+ etc high resolutions, the VIA VT8606 CRT and LCD panel controller with max 32MB shared memory bestow the good contentment for large commercial Kiosks and Point-of-Information/ Point-of-Sales stations. Its 10/100 Base-T Ethernet structure uses the Realtek 8100B(L) controller allowing any WEB-6580 system to complement heavy network assignments in a fast and stable manner.

While advanced industries, science and research, medical facilities,

telecommunications, mobile applications or any other large computing equipment in today's unrestrained technology field all need a stronger and reliable platform, WEB-6580 offers PC/104 connector for easily expandable requirements and watchdog timer for guaranteeing the smooth operation of human less systems.

Regarding the fan-less and low power consumption platform, certainly it is suitable used in all sorts of fields that critical on dust and noise. The standard I/O include one IDE port, one FDD port, Compact Flash socket, two COM ports with one selectable RS-232/422/485 and one multi-mode parallel port permitting for more devices support and more flexibility for application users in searching the low-power and cost-effective answer to their system.

### ► Features

- 3.5" EBC VIA Eden(Fanless) platform with VGA, LAN, CF, PC/104, LCD
- Support VIA Eden(400/533/667MHz)or Ezra 800MHz EBGA mobile CPU
- VIA VT8606+VT82C686B chipset
- One SO-DIMM socket, max 512MB SDRAM
- Integrated AGP 4X VGA, up to 32MB memory
- Supports CRT/LCD display interface

## Specifications

### Systems

<b>CPU</b>	Embedded low power VIA Eden-series <ESP4000/5000/6000> without fan or Ezra series Mobile EBGA processor
<b>BIOS</b>	PnP BIOS support DMI Real-Time Clock/Calendar (RTC) Y2K Compliant AMI BIOS with PC98 support 2MB Flash ROM for easy upgrades Support ACPI, DMI, PnP, and Green Function
<b>Chipsets</b>	VIA VT8606 + VT82686B, PN133T
<b>System memory</b>	One SO-DIMM Supports SDRAM system memory module up to 512MB
<b>Solid State Disk</b>	One Compact Flash interface Supports type II/III
<b>Extension Slot</b>	One PC/104 16-bit expansion slot
<b>Watchdog timer</b>	1~63 seconds, software programmable
<b>Audio Interface</b>	AC97 compliant, supports Line-In, Line-Out, MIC-in ports

### I/O

<b>IDE Interface</b>	One enhanced IDE interface Supports 2 IDE devices Ultra DMA 33/66/100 mode and PIO mode 3/4
<b>FDD Interface</b>	Up to two FDDs with 360K/720K/1.2M/1.44M/2.88M
<b>Parallel port</b>	One parallel port Supports SPP/EPP/ECP mode
<b>Serial port</b>	Two serial ports COM1 for RS-232 and COM2 for RS-232/422/485 shared with IrDA
<b>USB Interface</b>	Two USB ports, USB ver1.1 compliant
<b>K/B and Mouse</b>	Mini-Din connector for keyboard and PS/2 mouse

### Ethernet

<b>Controller</b>	Realtek RTL8100BL Supports IEEE 802.3u 10/100BASE-T
<b>Connector</b>	One RJ-45 built-in LED

### VGA

<b>Controller</b>	Built-in VIA VT8606 integrated S3 ProSavage4 AGP 4x graphic core
<b>VGA memory</b>	8/16/32 MB shared with system memory
<b>Display type</b>	CRT display interface and LCD display interfaces for two LVDS channels. Supports for VGA, SVGA, XGA, SXGA+, UXGA and UXGA+ TFT color panels with 9/12/18/24-bit interfaces. Supports DSTN color panel with 256 gray scale and up to 16.7 million colors.

### Environmental & Mechanical Spec.

<b>Power require</b>	Maximum: 5.0V Typical: +5.0V
<b>Opt. temp.</b>	0~60°C (32~140°F)
<b>Opt. humidity</b>	0~90% relative humidity, non-condensing
<b>Size</b>	145mm x 102mm (5.7"x4")

## Ordering Information

### ● WEB-6580-P400:

VIA Eden ESP4000 (400MHz) with Display(CRT/LCD), LAN, Audio, Compact Flash, 2S1P, USB

### ● WEB-6580-P800:

VIA Eden C3-800 (733MHz) with Display(CRT/LCD), LAN, Audio, Compact Flash, 2S1P, USB

### ● Available in different speed by special order



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