



# HS-4655

VIA Eden processor SBC w/CF, CRT/Panel/LVDS, TV-Out, Dual LAN, Audio, 4 USB

Single Board Computer

5.25" Embedded Engine Board



## Features

- ◆ VIA Eden processor 667MHz/1GHz
- ◆ Two SO-DIMM up to 1GB SDRAM
- ◆ VIA VT8606/VT82C686B system chipset, VIA VT82C686B, SMC 37C669, XR17D154CV super I/O chipset
- ◆ VIA VT8606 graphics, dual RealTek RTL8100BL ethernet, VIA VT6212L audio controller
- ◆ 18-bit single channel/36-bit dual channel LVDS Panel interface
- ◆ CF, COM x 4/8, USB x 4, standard PCI slot or mini PCI slot, PC/104
- ◆ TV-Out, H/W Monitor function



## Specifications

### System

#### CPU

VIA Eden processor 667MHz/1GHz

#### BIOS

AMI PnP Flash BIOS

#### System Chipset

VIA VT8606/VT82C686B

#### I/O Chipset

VIA VT82C686B, SMC 37C669, XR17D154CV

#### System Memory

2 x 144-pin SO-DIMM sockets up to 1GB SDRAM

#### Storage

1 x Type II CF socket

#### Watchdog Timer

Sets 1/2/10/20/110/220 seconds activity trigger with Reset or NMI

#### H/W Status Monitor

Monitoring temperatures, voltages, and cooling fan status

#### Expansion

1 x Standard PCI slot or Type I mini PCI slot  
PC/104

### I/O Interface

#### MIO

- 3 x RS-232 (optional for 6)
- 1 x RS-232/422/485 (optional for 2)
- 4 x USB (2 x USB1.1, 2 x USB2.0)
- 1 x IDE
- 1 x FDD
- 1 x Parallel
- 1 x PS/2 for KB/MS
- 1 x 6-pin connector for PS/2 KB/MS

### Display

#### Chipset

VIA VT8606

#### Display Memory

32MB shared memory

#### LVDS

18-bit single channel/36-bit dual channel

#### TV-Out

Provides PAL or NTSC TV systems

#### Resolution

CRT Mode: 1280 x 1024 @ 24bpp colors  
TTL Panel Mode: 1024 x 768 @ 18bpp colors

### Audio

#### Chipset

VIA VT6212L

#### Audio Interface (w/header)

MIC In, Line Out

### Ethernet

#### Chipset

Dual RealTek RTL8100BL 10/100 Mbps LAN

#### Ethernet Interface

RJ-45 x 2

### Mechanical & Environmental

#### Operating Temperature

0~60 degrees C

#### Operating Humidity

0~95%, non-condensing

#### Size (L x W)

203 x 146 mm

## Ordering Guide

- ◆ **HS-4655/667(by order)**  
VIA Eden 667MHz SBC w/CF, CRT/Panel/LVDS, Dual LAN, Audio, TV-Out, 4C/485, 4 USB
- ◆ **HS-4655/667+8COM(by order)**  
VIA Eden 667MHz SBC w/CF, CRT/Panel/LVDS, Dual LAN, Audio, TV-Out, 8C/485, 4 USB
- ◆ **HS-4655/1GHz(by order)**  
VIA Eden 1GHz SBC w/CF, CRT/Panel/LVDS, Dual LAN, Audio, TV-Out, 4C/485, 4 USB