

## Features & Benefits

The P-15 is an all-in-one VIA Eden Series processor based single board computer (SBC) with an Integrated AGP 4X 2D/3D Graphics Accelerator, an audio controller, a 10/100 Base-T Ethernet controller, 24-bit LVDS interface, 24-bit TTL interface.

Onboard features include two Internal High Speed 16550 Fast UART serial ports, two external Com ports, two output ports, two input ports with TTL level, four USB (Universal Serial Bus) 2.0 ports, two USB 1.1 ports, a printer port, one PS/2 type mouse, one keyboard interface.

The built-in high speed IDE controller supports Ultra DMA-33/66/100 master mode. Up to two IDE devices can be connected, including large hard disks, CD-ROM drives, Compact Flash Socket, etc.

The P-15 also features Watchdog Timer can be programmed to reset the system. Additional only single power 12V required and wide operating temperature range (0 °C~60 °C) makes P-15 more suitable for any applications. Most SMD solid state capacitors in P-15 design also is a quality assurance.

# Peripherals (Optional)



Barcode Scanner



Cash Drawer



POS Printer



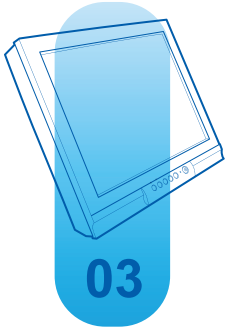
PIN Pad

Mini Keyboard



Card Scanner





# Hardware Configuration

## General Info

### Dimensions /

13.0cmX24.8cm

### Power Requirement /

12V Only

### Relative Humidity /

Operating: 10% to 80%  
(Non-condensing)

### OSD /

Built-in OSD for  
Volume and Brightness  
controlling

### Operating Temperature /

Operating: -20 to 60 °C

## CPU

VIA Low Power Eden TM 600MHZ/1GHZ Processors

66/100/133 MHZ CPU Front Side Bus (FSB)

## Chipset

VIA VT8606T North Bridge Supporting 66/100/133MHZ FSB

VT82C686B Integrated Super South Bridge with I/O Controller, Hardware Monitor

VT1612A 18 it Audio Codec Conforms to the AC'97 2.2

VT6212 PCI USB Controller

## System Memory

One 144-pin SODIMM Socket Supporting Memory up to 512MB

## Display Controller

Support VGA Display and 24 Bit TTL /LVDS LCD Display

Built in OSD Functions

## LAN

Realtek 8100B Fast Ethernet Controller

Supports 10/100 Mbps Data Transfer Rate with Wake On LAN Function

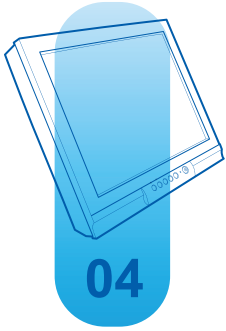
External Shielded RJ-45 Modular Jacks with LED Indicator

## Audio

VT 1612A 18 Bit Audio Codec Chip

AC 97 2.0 Complaint Interface

Built in 2WX2 Amplifier



## ATA 100 IDE Interface

Support Ultra DMA-33 / 66 / 100 Master Mode PCI EIDE Hard Disk Drive Interface

Support ATAPI Compliant Devices including DVD Devices

Supporting Two Enhanced ATA100 IDE Devices with 2.0mm 44 Pin Connector

## Compact Flash Connector

Support One Compact Flash Socket under Secondary Master Device

## Serial Port

Four Internal High Speed 16550 Fast UART Serial Ports.

Two built in VT82C686B.

The other two built in FDC37C669.

## USB Port

Support six USB ports.

Two USB 1.1 Ports built in VT82C686B.

Four USB2.0 Ports built in VT6212L.

## PCMCIA

TI1410 PCI Bus PCMCIA controller

## Real Time Clock

256 Bytes SRAM Built-in S.B. Chipset

Backup by Non-rechargeable Lithium Cell Battery or External Battery Pack

## Watchdog Timer

Software programmable Watchdog Timer

Timeout intervals range from 1 to 31/256(option) seconds

## H/W Monitoring

Support 5 Voltage, 2 Temperature and Fan-Speed Monitoring

## Keyboard / Mouse Connector

6 Pin Mini DIM for PS/2 Type Keyboard and Mouse

## BUS Extension

PCI Bus

32 Bit PCI BUS