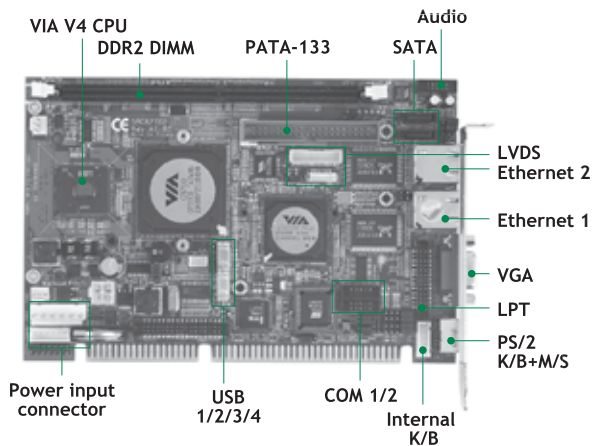


# SBC82702

VIA V4 PICMG 1.0 ISA Half-size CPU Card with VGA/LVDS, Dual LANs and Audio



Eden, C7  
LVDS/VGA  
RS-232/422/485  
ISA  
CompactFlash™  
4 USB 2.0



## Features

- VIA V4 C7/Eden processor
- VIA CN700 + VT8237R-Plus chipset
- 1 DDR2 DIMM supports up to 1 GB memory
- Fanless operation
- ISA with high drive

SBC Services and Solutions

System on Modules

Embedded SBCs > EPIC

Embedded SBCs > 3.5" Capa

Embedded SBCs > Pico-ITX

Embedded SBCs > PC/104

Industrial Motherboards

Slot CPU Cards

Accessories

Appendix

## System

CPU	VIA V4 compliant Eden/C7 processor onboard with FSB 400/533 MHz
System Memory	1 x 240-pin DIMM supports DDR2-400/533 max. up to 1GB
Chipset	VIA CN700 + VT8237R-Plus
BIOS	Phoenix-Award
SSD	1 x CompactFlash™ type-II
Watchdog Timer	255 levels, 1-255 sec.
Expansion Interface	16-bit ISA
Battery	Lithium 3V/220 mAH
Power Requirements	VIA C7 @ 1.0 GHz, 1GB DDR2 +5V_SBY @ 66mA, +3.3V @ 250mA, +5V @ 1.308A, +12V @ 653mA, -12V @ 55mA
Size	185 x 122 mm
BoardThickness	1.6 mm
Temperature	0° C - +60° C (32° F - 140° F)
Relative Humidity	10% - 95% relative humidity, non-condensing

## I/O

MIO	1 x IDE; PATA-133 1 x FDD 1 x PS/2 keyboard 1 x PS/2 mouse 1 x LPT; with SPP/EPP/ECP supported 1 x RS-232 (COM 1) 1 x RS-232/422/485 (COM2)
SATA	2 x SATA-150
Hardware Monitoring	Detect CPU/system temperature, voltage and fan speed
Ethernet	2 ports as 10/100Mbps support Wake-on-LAN, RPL/PXE Boot ROM with Realtek RTL8100C
Audio	AC'97 Codec audio as MIC-in/Line-in/Line-out/speaker-out with VIA VT1612A
USB	4 x USB 2.0
SMBus	System Management Bus for advanced monitoring/control

## Display

Chipset	VIA CN700 intergrated
Memory Size	Max. up to 64 MB
Display Interface	1 x VGA 1 x LVDS; 18/24-bit single/dual channel

## Packing List

Standard		
Quick installation guide, user's manual/utility CD, cable		
Cable		
Part Number	Description	Qty
59384500000E	COM + Print cable w/ bracket	1
59382601000E	Ultra DMA66 IDE cable 40P 455mm	1
593826A0000E	SATA signal cable 500mm	1
59382631000E	2 x USB 2.0 wafer cable with bracket 180mm	2
59384500100E	Audio cable with bracket 2.0 pitch 450mm	1

## Ordering Information

Standard	
SBC82702VEEA-1G (P/N: E382702101)	PICMG 1.0 half-size CPU card with VIA C7 1 GHz CPU, VGA, 2 10/100Mbps Ethernet, audio and 4 USB