

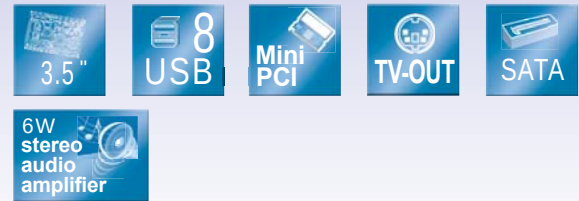


3V700A Series

Application

Embedded Car PC / Automatin Control / Thin Client / Digital Signage application

Features



Specifications

MODEL	3V700A Series
CPU Type	VIA V4 bus processor Eden / ULV or C7 Nano-BGA2 400 pin L1 128 KB, L2 128 KB on die
Front Side Bus	400 / 533 MHz
MB Chipset	VIA CN700 + VT8237R Plus
BIOS	Award BIOS
Graphics	Integrated with VIA CN700 Shared system memory up to 64 MB
System Memory	1 x DDR2 SO-DIMM socket (max. 1GB) Support mixed 64 / 128 / 256 / 512 Mb SDRAM in x 8 or x 16 configurations
IDE	CF Card Type 2 socket for ATA interface
SATA	1 x SATA port(SATA 2 for option)
Audio	AC-Link for Audio codec. AC'97 2.1
LAN	1 x Realtek RLT8100C 10 / 100 Mbps
IO Function	2 x RS232 (option) Support Infrared SIR & FIR PS/2 keyboard & mouse
USB	8 x USB 2.0 (2 external + 6 internal)
Audio Amplifier (option)	Two channels Audio Amplifier 6W/CH Class-D operation into an 8-Ω Load from a 12-V Supply
TV-OUT (option)	Support all NTSC & PAL formats. Resolution : 1024 x 768
DIO & WDT (option)	Hardware digital Input & Output, 4 x DI / 4 x DO Hardware Watch Dog Timer, 0~255 sec programmable (option)
Expansion Interface	1 x Mini PCI socket (option)
Power	On board DC +12V ± 5% convert to +3.3V / +5V / +12V for system
Dimension	145 x 102 mm (3.5 inch)
Operation Temperature	0 ~ 60 °C
Operation Humidity	5 ~ 95% @ 60 °C, non-condensing

Ordering Information

- 3V700A-1R50E 1 Realtek LAN, VIA V4 Eden 500 MHz CPU
- 3V700A-1R10U 1 Realtek LAN, VIA V4 Eden ULV 1 GHz CPU
- 3V700A-1R15C 1 Realtek LAN, VIA V4 C7 1.5 GHz CPU

Testing environment

Model name : **3V700A1R10U / 3V700A1R50E**
 CPU : VIA Eden ULV 1 Ghz / VIA Eden 500 Mhz
 Chipset : VIA CN700 & VIA VT8237R Plus
 OS : WIN XP
 Testing Program : 3D Mark 2001 SE

Fanless solution with CF card

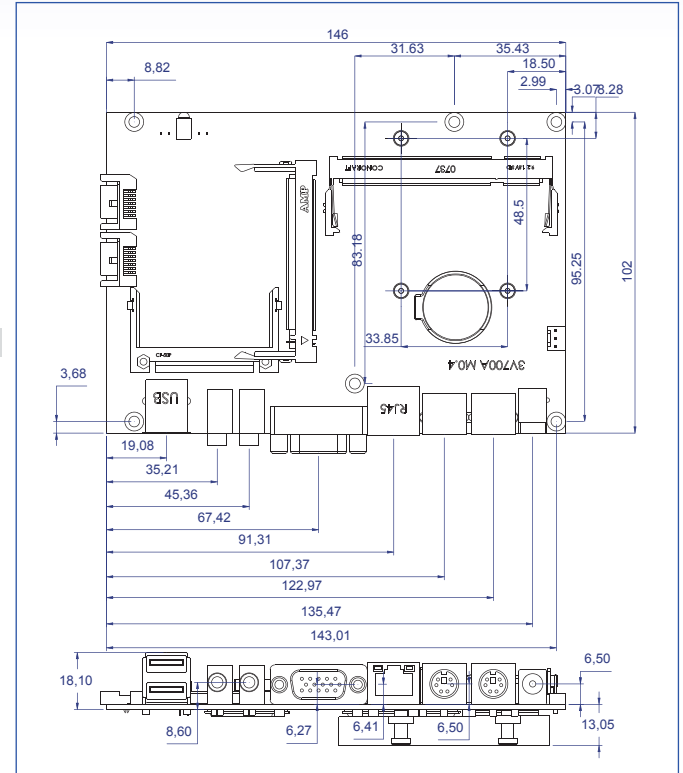
Chassis Temperature	UNO	BRIK
0°C~45°C	Pass	Pass
50°C	Pass	Pass
55°C	—	Pass

Fanless solution with 2.5" HDD

Chassis Temperature	UNO	BRIK
0°C~45°C	Pass	Pass
50°C	—	Pass

Please upgrade the hard drive to industrial grade for better temperature performance.

Dimension



Back Panel

