

3V700A Series

Application
Embedded Networking / Thin Client application

Features



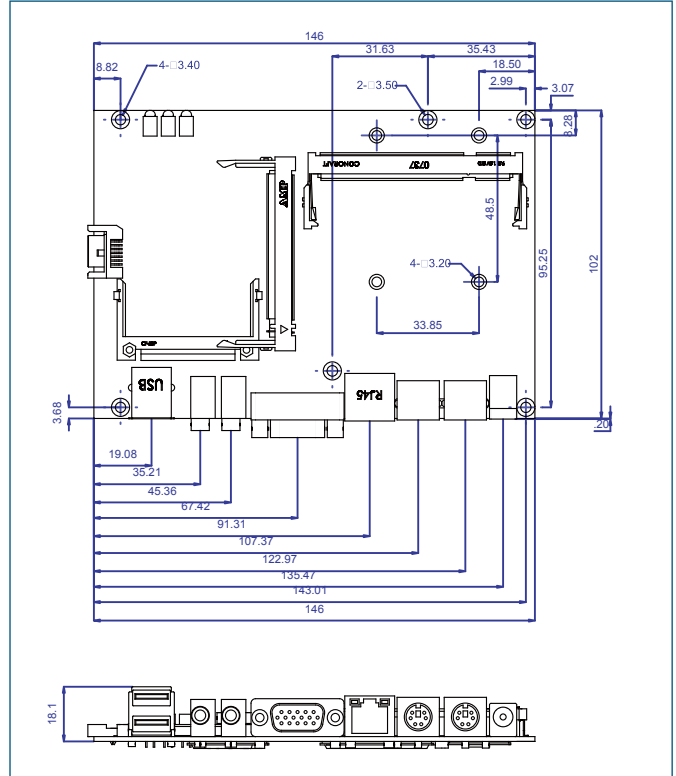
Specifications

- . CPU type VIA Eden(V4) or C7 Nano-BGA2 400pin L1 128KB, L2 128KB on die
- . Front Side Bus 400 / 533 MHz
- . MB Chipset VIA CN700 + VT8237R Plus
- . Graphics Integrated with VIA CN700
 Shared system memory up to 64MB
 MPEG-2 hardware VLD.Idct and motion compensation.
- . Memory 1 x DDRII SODIMM (max. 1GB)
- . TV-OUT(option) NTSC(M and J) or PAL (B , D , G , H , I , M , N and Nc)
 Graphics resolution up to 1024 x 768
- . LAN 1 x Realtek RLT8100C 10/100 Mbps
- . IO function 2 RS232
- . (option) Support Infrared SIR and FIR
- . Audio VIA VT1708/A HD Audio codec; Two channel SOUND
 Support AC'97 2.1
- . USB 8 x USB 2.0 (2 ports external and 6 internal ports)
- . SATA One channel connector, Supports up to two channel SATA connectors.
 (the 2nd SATA is optional)
 S-ATA drive transfer rate is capable of up to 150MB/s
- . DIO & WDT (option) Hardware digital Input & Output, 4xDI / 4xDO
 Hardware Watch Dog Timer, 0~255 sec programmable
- . Audio Amplifier 6-W/CH Into an 8-Ω Load from a 12-V Supply
 (option) Up to 92% Efficient, Class-D operation
 Differential Input minimizes Common-Mode noise
- . Expand interface 1 x Mini PCI socket for only PCI rev 2.2 interface (option)
- . Power On board power DC-IN +12V ±5% convert into system
 +3.3v/+12v/+5v
 System provide +5V and +12V power output
- . Dimension 145 x 102 mm (3.5 inch)
- . Operation Temperature: 0 ~ 60°C
- . Operation Humidity: 5~95% @ 60°C, non-condensing

Ordering Information

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

Dimension



Testing environment

Model name : 3V700A1R10U/3V700A1R50E
 CPU : VIA Eden ULV 1Ghz/VIA Eden 500Mhz
 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	Pass	Pass	
25°C	Pass	Pass	
45°C	Pass	Pass	
55°C	Pass	60°C	

Fanless solution with 2.5" HDD			
Chassis Temperature	UNO	BRIK	
0°C	Pass	Pass	
25°C	Pass	Pass	
40°C	Pass	45°C	

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

Back Panel

