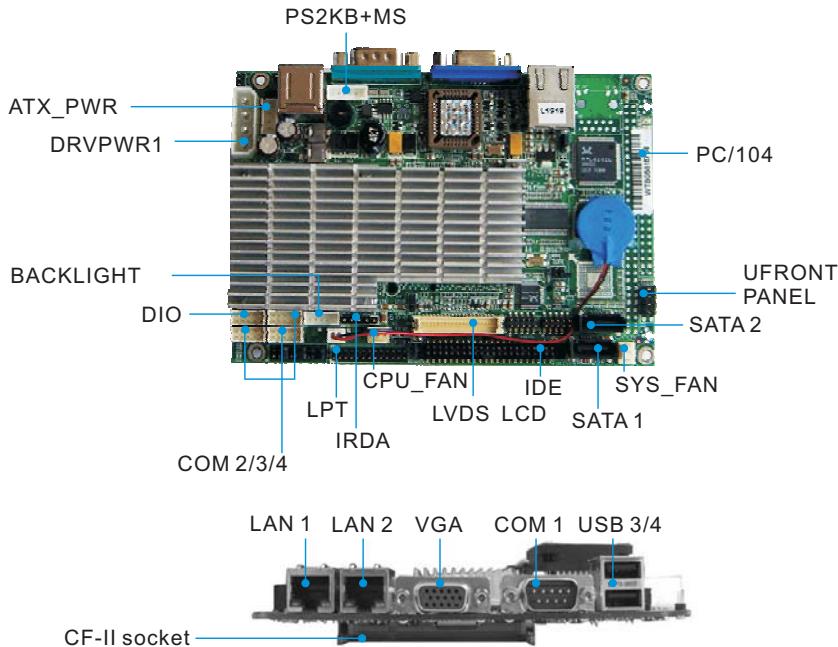


TMB-3828E

3.5" Embedded SBC

VIA V4 EDEN CPU 4xUSB 4xCOM/Dual LAN/Audio/VGA/LCD/SATA



www.szvid.com



Features

- Supports VIA® C7 and EDEN CPU on board for either High performance or Low power.
- Integrated MPEG2/MPEG4 decode and High-Definition Audio for multimedia performance.
- Multiple I/O support, up to 4xUSB2.0 ports, 4xCOM ports, 1xLPT and 8-bits DIO.
- Two SATA-II ports support RAID0 and RAID1.
- Compact design with Rich I/O functions for Panel PC, Thin-Client and Automation.
- Supports DVI or LVDS LCD up to Dual 24-bits 1600x1200. Software Brightness control.
- Dual 10/100M LAN with Remote Boot and Wake up on LAN support.
- One CF-II socket supports Compact Flash Csr.

System

CPU	VIA® C7/EDEN CPU with V4 bus in Nano BGA2 package. EDEN supports 400M/ 500M /600M/800M/ 1.0G /1.2G/1.5GHz.
BIOS	Award® 4M-bit Flash Bios, utility is available.
Chipset	VIA® CX700M chipset.
System Memory	One DDR2 SO-DIMM socket supports DDR2-400/533 memory up to 1.0GB.

Ethernet

10/100M LAN	Two RealTek RTL810L on board for Dual 10/100M LAN Connections.
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Display

VGA	Cx700 Integrated S3 Graphic Engine with MPEG2/MPEG4 decoder. Supports CRT and LCDS LCD panel. Dual Independent Display and Rotation supported by drivers.
AUDIO	One 2x5/2mm/pin-header supports internal Audio connection. It includes Line-Out, Line-In and Microphone.

Power

Supply Voltage	Supports both AT mode or ATX mode operation. One Standard 3.5" HDD type 4-pins power connector for system power input. One ATX Auxiliary 4-pins connector for 5VSB input and ATX power control.
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I/O

On Board I/O	One 44-pins connector supports 2.5" HDD or DOM Flash Disk. Dual SATA-II ports support RAID0 and RAID1. 4 USB2.0 ports, 2 ports on rear with Type-A connector and 2 ports in 2mm pin-header for internal devices. 4 COM ports, COM1 in D-SUB and can be powered with 5V or 12V by jumpers. COM2~COM4 ports in 2mm box-header. COM2 is RS232/422/485 able by jumpers. One Compact Flash-II socket on bottom side. Jumper able as Master or Slave device. 1xLPT port supports SPP/ECP/EPP mode. 1xIrDA port. 1xPS2 Keyboard/Mouse connector with 6-pins wafer for internal or external devices.
PC-104	One PC-104 16-bits ISA bus socket to adapt standard PC104 ISA modules.

Mechanical and Environmental

Board Dimension	145mm(W)x102mm(L). 3.5" little board standard dimension.
Watchdog Timer	Programmable watchdog timer from 1~255 seconds.