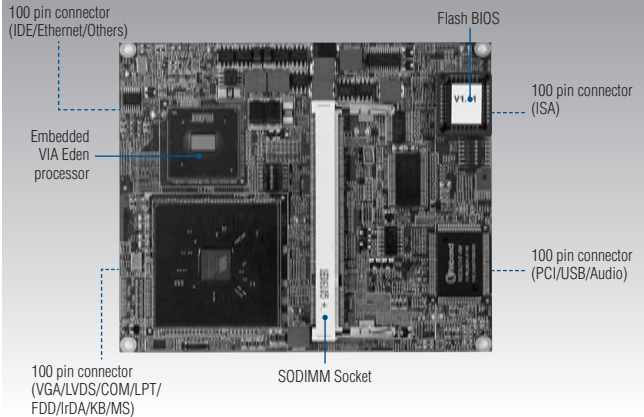


# SOM-4477

## VIA Eden™ (V4) CPU SOM-ETX Module with CPU, VGA/LVDS, Audio & LAN

### Coming Soon



## Specifications

- **CPU** VIA Eden 1G/600MHz/400MHz CPU
  - **System Memory** 1 x 200-pin SODIMM sockets, Double Data Rate 2 (DDR2) 128 MB to 1 GB, DDR2 400/533 MHz
  - **2nd Cache Memory** 128 KB on CPU
  - **System Chipset** VIA CX700
  - **BIOS** AWARD™ 4 Mbit Flash BIOS
  - **Watchdog Timer** 256 levels timer interval, from 1 to 255 sec or min setup by software, jumperless selection, generates system reset
  - **Expansion Interface** PCI/ISA bus
- ### I/O
- **MIO** 1 x EIDE (Ultra DMA66/100), 1 x FDD/LPT, 1 x Keyboard, 1 x Mouse, 2 x RS-232
  - **IrDA** 115 kbps, IrDA 1.0 SIR compliant
  - **Audio** ACLC880D AC97 2.0 compliant, Mic in, Line in, Line out
  - **USB** 4 x USB ports, USB 2.0 compliant
- ### Ethernet
- **Chipset** Realtek™ RTL8100CL 10/100Mbps Ethernet Chip
  - **Ethernet Interface** IEEE 802.3u 100Base-T Fast Ethernet  
Built-in boot ROM

## Features

- Embedded VIA Eden™ (V4) CPU
- VIA CX700 integrated graphic accelerator
- Supports DDR2 High Speed Memory Technology
- Supports LVDS Panel
- Supports four USB 2.0 / two COMs / Audio / LAN

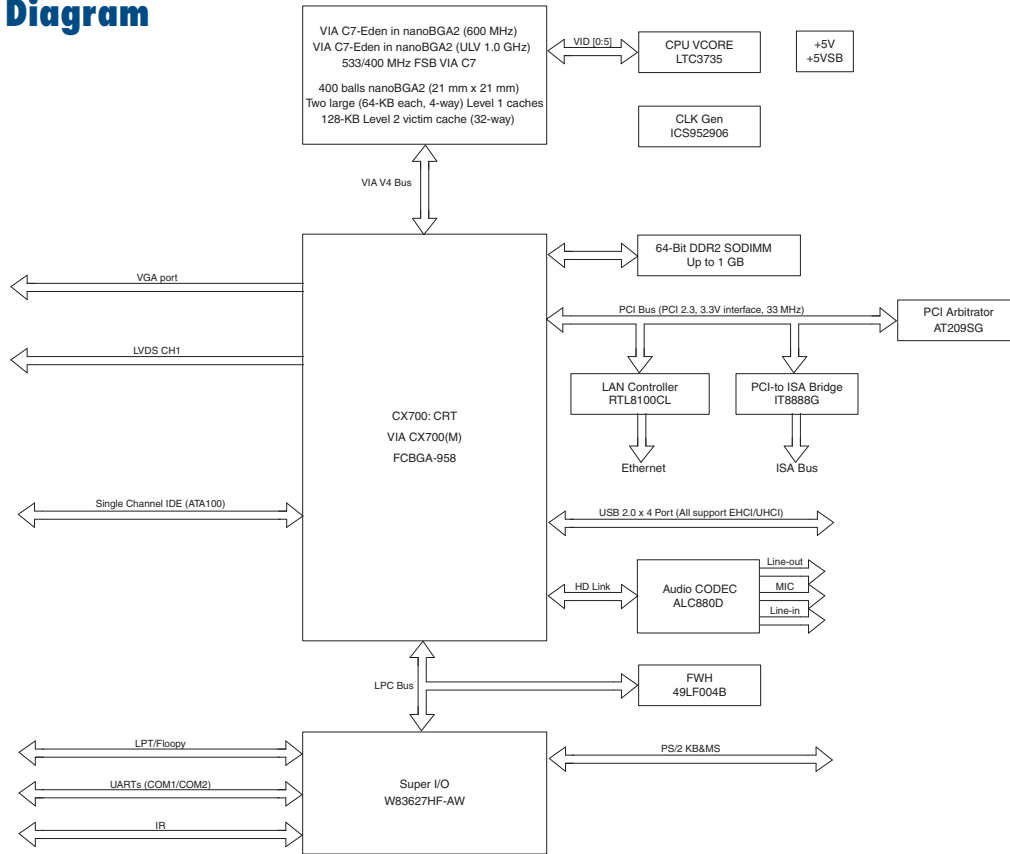
## Display

- **Chipset** VIA CX700 integrated with UniChrome Pro II graphics processor on Unified Memory Architecture
- **Memory Size** 32/64/128 MB frame buffer using system memory
- **Resolution** CRT Mode:  
Up to 2048 x 1536  
LCD/Simultaneous Mode:  
Up to UXGA (1600 x 1200)
- **LCD Interface** Supports 18/24-bit TFT panels up to UXGA resolution
- **LVDS Interface** 1 x Single Channel 18/24 bits or 1 Dual Channel 36/48 bits LVDS panels

## Mechanical and Environmental

- **Dimensions (L x W)** 95 x 114 mm ( 3.7" x 4.1")
- **Power Supply Voltage** +5 V ±5%
- **Power Requirements** TBD
- **Operating Temperature** 0 ~ 60° C (32 ~ 140° F)
- **Operating Humidity** 0 ~ 90% relative humidity, noncondensing

## Board Diagram



## Ordering Information

### Standard

Part No.	CPU
SOM-4477FL-J0A1E	VIA Eden (V4) 400 MHz
SOM-4477FL-M0A1E	VIA Eden (V4) 600 MHz
SOM-4477FL-S0A1E	VIA Eden (V4) 1.0 GHz
SOM-4477FL-S1A1E	VIA Eden ULV (V4) 1.0 GHz

### Development Board

Part No.	Description
SOM-DB4400-00A2	Development Board for SOM-ETX Rev.A2