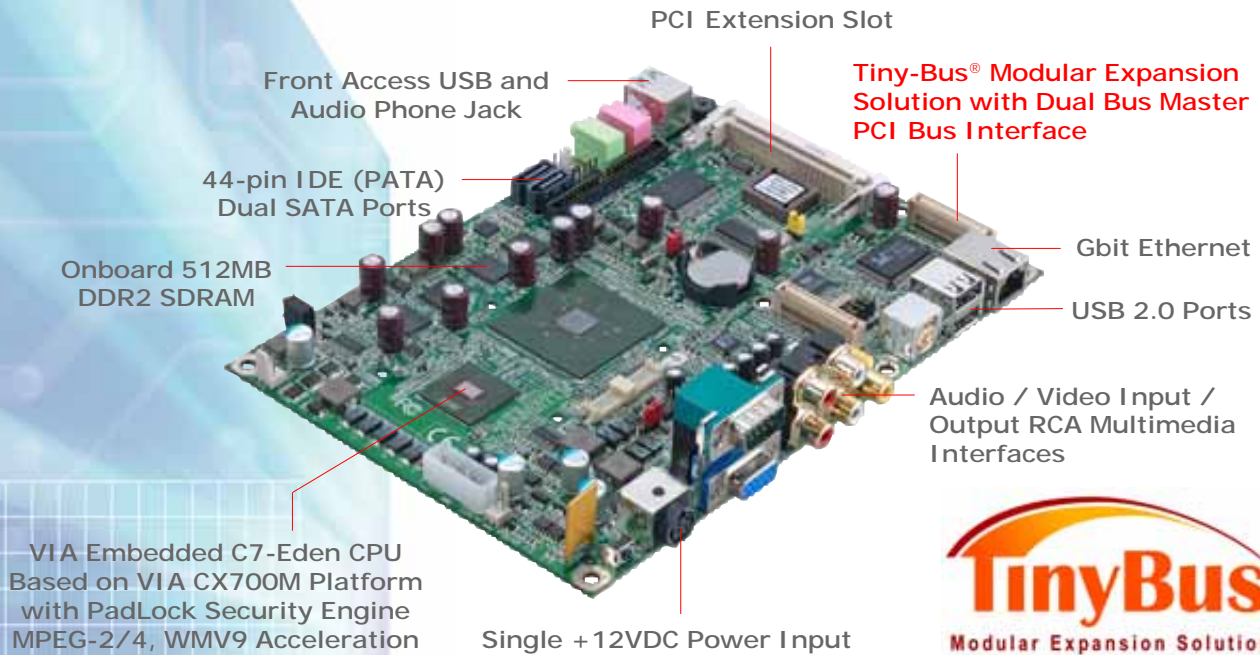


EMB-5730

VIA C7-Eden Multimedia EmBoard



The EMB-5730 is an industrial x86-based multimedia computing solution based on the 5.25-inch drive size EBX form factor, VIA embedded C7-Eden CX700M platform, and Liantec Tiny-Bus® Modular Expansion Solution, features the chipset built-in MPEG-2/4 and WMV9 acceleration, LVDS and TV-out, HD audio, onboard 512MB DDR2 SDRAM, Gbit Ethernet, SATA, mini-PCI socket and the embedded Tiny-Bus® expansive interface with VIA DVP and dual bus master PCI bus interfaces for the industrial embedded Small Form Factor (SFF) x86-based multimedia computing applications with flexible modular expansion solution.

Key Features

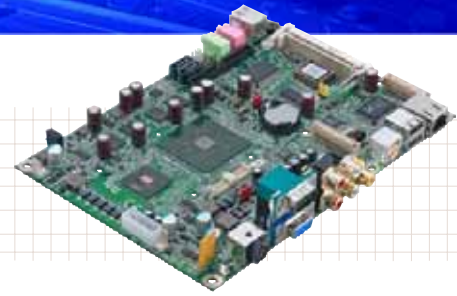
- VIA embedded C7-Eden CPU platform with PadLock security engine.
- Onboard VIA Eden and Eden ULV CPU for fanless operating.
- Onboard optional 256 / 512 MB DDR2 SDRAM.
- VIA embedded CX700M multimedia platform with IGP built-in VIA/S3 UniChrome Pro II graphics engine, MPEG-2/4 and WMV9 acceleration, supports dual 18-/24-bit LVDS and CVBS AV / S-Video TV-out interfaces.
- Onboard Gbit Ethernet, 44-pin IDE PATA and dual SATA ports.
- Onboard HD audio interface with RCA and phone jack connectors.
- Tiny-Bus® Modular Expansion Solution with VIA DVP video extension and dual PCI bus interface, supports VIA DVP-based DVI, mini-PCI, PCMCIA, video capture, and other Tiny-Bus® modules for multimedia computing applications.
- Four external USB 2.0 ports and onboard mini-PCI type-III/A/B socket.
- Single +12V DC power operating with external power jack.
- Compact, slim type and fanless barebone solutions are available.

Liantec

www.liantec.com

EMB-5730

5.25-inch VIA CX700M Multimedia EmBoard with VIA C7 / Eden CPU, 512MB DDR2 SDRAM IGP Build-in MPEG-2/4 and WMV9 Accelerator and Tiny-Bus® Modular Expansion Solution



Form Factor

5.25-inch drive-size EBX form factor at 203 x 146 mm

CPU

VIA embedded C7 / Eden x86 CPU with PadLock engine
Optional onboard VIA compatible C7 and Eden CPU as :
* Eden 400MHz ~ 1.2GHz CPU (fanless operating)
* Eden ULV 500MHz / 1GHz / 1.5GHz CPU (fanless operating)
* C7 1.0 / 1.5 / 2.0 GHz CPU (with CPU fan)

Memory

Onboard optional 256 / 512MB DDR2 SDRAM

Chipset

VIA embedded CX700 chipset

Watchdog Timer

Programmable system reset watchdog timer

SATA and IDE (PATA) Port

One 44-pin UltraATA100/133 IDE and two SATA-150 ports

Solid State Disk (SSD) Interface : DOM

DiskOnModule (DOM) Flash Disk

Onboard IDE port supports DiskOnModule (DOM) flash disk
44-pin DiskOnModule at PIO mode 4 / Multi-Word mode 2

Video Interface (VGA, LVDS, TV-out)

VIA CX700M IGP built-in VIA/S3 UniChrome Pro II graphics
with built-in MPEG2 / MPEG4 and WMV9 acceleration
External DB15 female connector for VGA on rear panel

LVDS Interface

VIA CX700M IGP built-in 18-/24-bit LVDS transmitter
with onboard 40-pin Hirose DF13-40DP-1.25V connector

TV-out Interface

VIA CX700M IGP with onboard VT1625 TV-out encoder
with external CVBS RCA and S-video connector on rear panel

Audio Interface

VIA CX700M chipset with onboard VT1708 HD audio codec
External right / left audio input / output RCA on rear panel
External line-out and mic-in phone jacks on front panel

High-Speed USB 2.0 and COM Port

4 external (2 front and 2 rear) USB 2.0 ports
1 external RS-232C COM port

Ethernet Interface

Onboard RTL8110SC 10/100/1000Mbps Gbit Ethernet
External RJ45 connector with link / active LED on rear panel

Expansion Bus Interface

One mini-PCI type-III/A/B socket

**Embedded Tiny-Bus® Modular Expansion Solution with
VIA DVP video extension and dual PCI bus interfaces**

External I/O Port and Indicated LED

Rear I/O Panel

Power switch, DC power jack, VGA/COM, dual audio RCA,
CVBS AV / S-Video TV-out, dual USB 2.0, RJ45 Ethernet

Front I/O Panel

Line-out / Mic-in audio phone jack, 2 USB ports
Power / access LED

Environment

Power Requirement: single +12V DC power operating
Board Dimension: 203 x 146 mm (L x W)
Operation Temperature: 0 ~ 60°C (32 ~ 140°F)

Tiny-Bus® Modular Expansion Solution

EMB-5730 supports Tiny-Bus® Modular Expansion Solution
with VIA DVP video extension and dual PCI bus interface.

- **TBM-15DVP**: VIA DVP Video Extension / Mini-PCI Module
- **TBM-1200**: PCI Dual Mini-PCI Module
- **TBM-1210**: PCI Dual PCMCIA CardBus / Mini-PCI Module
- **TBM-1220**: PCI Video Capture / Mini-PCI Module

For the further information about Liantec Tiny-Bus® modules,
please visit the website at <http://www.liantec.com>.

Ordering Code

EMB-5730MRE10-512

5.25" Drive-size VIA Eden / CX700M Multimedia EmBoard
with Onboard VIA Eden 1.0GHz CPU, 512MB DDR2 SDRAM,
VIA CX700M IGP built-in MPEG-2/4 and WMV9 Acceleration
VGA, LVDS, TV-out, RCA HD Audio, Gbit Ethernet, SATA,
Mini-PCI Socket and Tiny-Bus® Modular Expansion Solution.

EMB-5730MRC15-512

Same as above but with VIA C7 1.5GHz CPU (with Cooler)

EMB-5730-OEM

Customized EMB-5730 EmBoard with VIA Compatible CPU,
Onboard DDR2 SDRAM, Optional Function Configuration and
Tiny-Bus® Modular Expansion Solution.

Please visit the website of <http://www.liantec.com> for the further information.