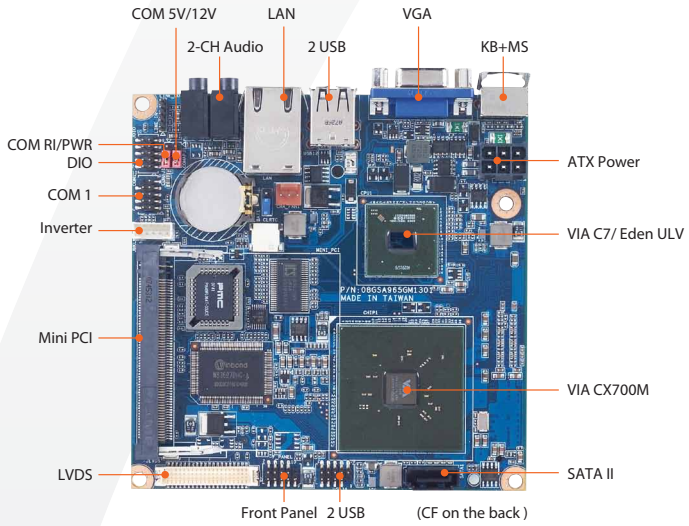
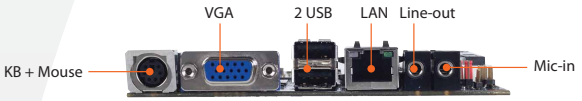
Nano-ITX Motherboard

NX700CXM

VIA CX700M Nano-ITX Motherboard





Features

- Supports VIA C7/ Eden ULV CPU
- VIA CX700M Chipset supports MPEG-2/4 Decoding and WMV9 Accelerator
- One SODIMM up to 1GB DDR2 533 /400 SDRAM
- VGA, dual channel 24-bit LVDS
- Realtek ALC888 supports 2 Channel Audio
- Realtek RTL8110SC Gigabit LAN
- 1Mini PCI, 1 CF
- 1 COM, 4 USB, 1 SATA II, 8-bit GPIO

GbE LAN | GPIO | Dual Display | Mini PCI | 24-bit LVDS | 5.1 + 2 Ch. HD Audio

Specifications

System

CPU	Support VIA C7 1.5GHz/ Eden ULV 1.0GHz Processor
FSB	400 MHz
BIOS	Award 4 Mb Flash ROM BIOS
System Chipset	VIA CX700M
I/O Chip	Winbond W83627DHG-A
System Memory	One 200-pin SODIMM socket supports up to 1 GB DDR2 533 SDRAM
Watchdog Timer	Reset : 1 to 255 sec/min per step
H/W Status Monitor	Monitoring CPU temperature, voltage, and cooling fan status. Auto throttling control when CPU overheats
Expansion	1 Mini PCI, 1 CF Type I/II
Power State	S1, S3, S4, S5
Wake up on LAN or Ring	LAN
SmartFan Control	Supports 3 modes in Silent / Optimal Performance modes

I/O

MIO	1 SATA II, 1 COM RS-232, 1 PS/2 Keyboard, 1 PS/2 Mouse
USB	4 USB 2.0
GPIO	PCA9555 supports 8-bit General Purpose I/O for 4-bit DI and 4-bit DO

Display

Chipset	Integrated VIA UniChrome Pro II 3D/2D graphics and video processor
Display Memory	VIA S3 UniChrome Pro II 3D Graphic Engine Shared system memory up to 128MB
Resolution	VGA: 1920 x 1440 @75Hz LVDS : 1600 x 1200@ 60Hz
Dual Display	VGA + LVDS
LVDS	Dual channel 24-bit LVDS

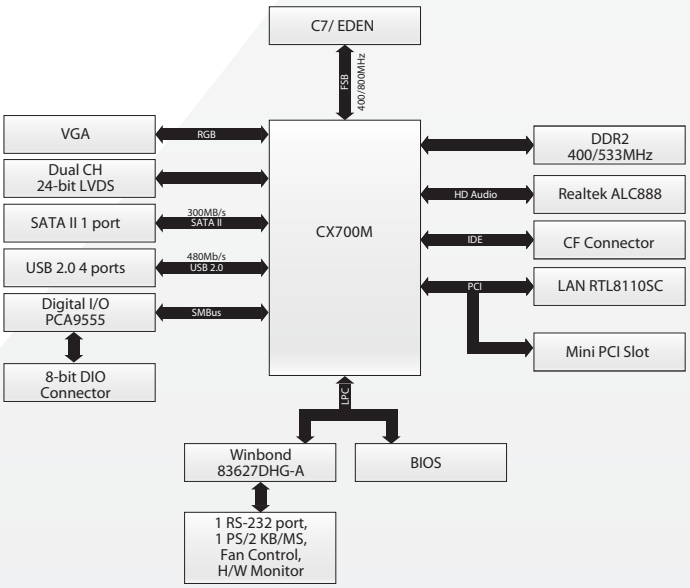
Audio

Chipset	VIA CX700M
Audio Codec	Realtek ALC888, 2 Channel HD Audio
Audio Interface	Mic-in, Line-out phone jack, Line-in pin header

Ethernet

LAN	Realtek RTL8110SC Gigabit LAN

Block Diagram



Ordering Information

NX700CXM

90N-X7M000-10000B2
NX700CXM R10 EDEN 1GHz NITX
90N-X7M000-1000AB2
NX700CXM-C15 R10 C7 1.5G NITX
90N-X7M000-1000BB2
NX700CXM-E10ULV R10 EDEN 1GHz

Product Offering

until 2013

Packing List

Power Cable	x1
COM Cable w/o Bracket	x1
PS/2 KB/MS Y-Cable	x1
SATA Data Cable	x1
SATA Power Cable	x1
I/O Shield	x1
Driver CD	x1
Startup Manual	x1

Optional Accessory

14GS1400004C23	1 Port USB Cable w/o Bracket
14GS0000063V04	2 Port USB Cable w/o Bracket

Back Panel I/O Port

1 Mini Din (KB/Mouse)
1 VGA Port
2 USB 2.0/1.1
1 LAN RJ45 Port
Audio I/O (2 jacks)

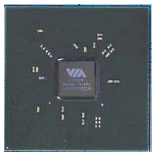
Internal I/O Connector

1 USB Connector supports 2 USB Ports
1 COM Port pin Header
1 LVDS Connector
1 CPU Fan Connector
1 GPIO Connector
1 SATA II pin Header
1 Ext. Line-in Connector

Mechanical & Environmental

Power Requirement	+12V 0.56A (Eden ULV)	+5V 1.85A	+3.3V N/A	5VSB 0.48A
Power Type	ATX			
Power Connector	6-pin ATX compatible power connector (optional DC-DC power board)			
Operating Temperature	0 to 60°C (32 to 104°F)			
Operating Humidity	0% to 90% relative humidity, non-condensing			
Size (L x W)	4.72" x 4.72" (120 mm x 120 mm)			
Weight	0.88 lbs (0.4 Kg)			

VIA CX700M System Media Processor



- 400/800 MB/sec Front Side Bus
- Integrated VIA UniChrome Pro II Graphics
- MPEG-2/4 Decoder
- 128-bit 2D and 3D Graphics engine
- Multi-configuration LVDS transmitter
- Serial ATA supported

** The product information and specifications are subject to change without prior notice.
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