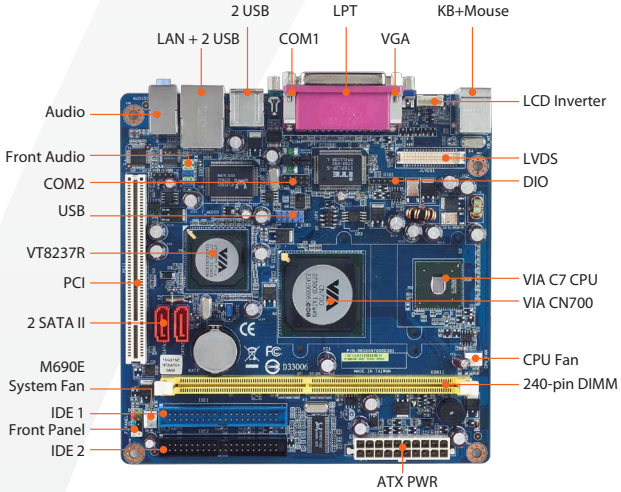
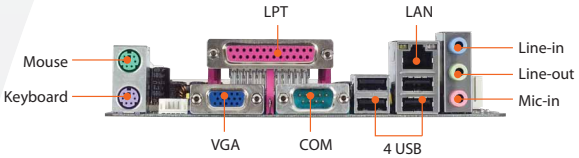
Mini-ITX Motherboard

MX700CN2

VIA CN700 with C7 1.0/ 1.5GHz Mini-ITX Motherboard





Features

- Onboard VIA C7 1.0/1.5 GHz CPU
- VIA CN700 + VT8237R Chipset
- One DIMM up to1GB DDR2 400/533 SDRAM
- Integrated UniChrome Pro 3D/2D Graphics & Video processor
- Realtek ALC655, 5.1 CH Audio with 6W Amplifer
- Realtek RTL8100SC Gigabit LAN
- 1 PCI
- 2 COM, 2 SATA, 6 USB, 2 IDE
- Dual channel 24-bit LVDS
- Fanless Design

VIA C7 Onboard	24-bit LVDS	GbE LAN	Fanless
PCI	3W + 3W AMP	5.1 CH Audio	

Specifications

System

CPU	VIA C7 1.0/1.5 GHz onboard
FSB	400 MHz
BIOS	Award 4Mb Flash BIOS
System Chipset	VIA CN700 + VT8237R
I/O Chip	ITE IT8712F-S
System Memory	One 240-pin DIMM socket supports up to 1 GB DDR2 400/533 SDRAM
H/W Status Monitor	Monitoring CPU temperature, voltage, and cooling fan status. Auto throttling control when CPU overheats
Expansion	One PCI slot (PCI Rev. 2.2 compliant)
Power State	S1, S3, S4, S5
Wake up on LAN or Ring	LAN
SmartFan Control	Yes

I/O

MIO	2 IDE, 2 SATA, 1 LPT, 2 COM RS-232, 1 PS/2 Keyboard, 1 PS/2 Mouse
USB	6 USB 2.0

Display

Chipset	VIA S3 UniChrome Pro II 3D Graphic Engine
Display Memory	Shared system memory up to 128MB
Resolution	1920 x 1440 (@ 75Hz)
Dual Display	CRT + LVDS
LVDS	Dual channel 24-bit LVDS

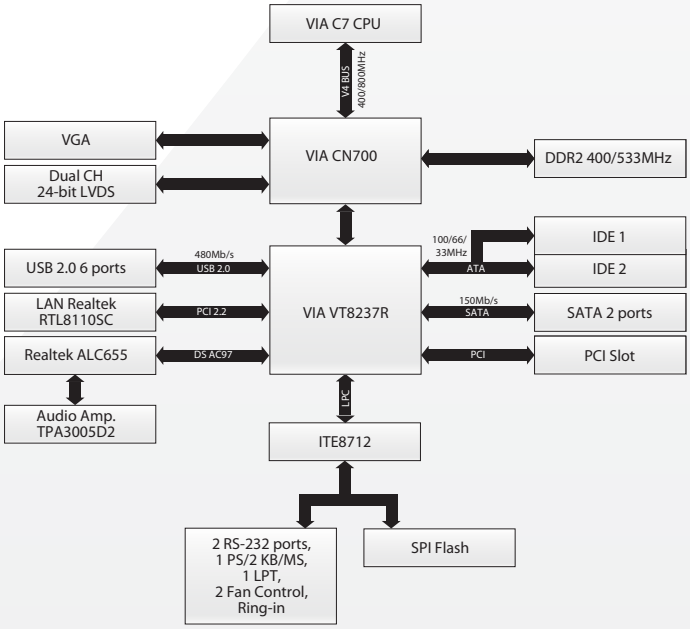
Audio

Audio Codec	Realtek ALC655, 5.1 CH Audio Codec with 3+3W Amplifier
Audio Interface	Line-in, Line-out, Mic-in

Ethernet

LAN	Realtek RTL8100SC Gigabit LAN

Block Diagram



Ordering Information

MX700CN2-C10
90I-VCN700-21000B2
MX700CN2-C10 with 1GHz

MX700CN2-C15
90I-VCN700-2100AB2
MX700CN2-C15 with 1.5GHz

Product Offering

until 2014

Packing List

COM Cable w/Bracket	x1
IDE Cable	x1
SATA Data Cable	x1
SATA Power Cable	x1
I/O Shield	x1
Driver CD	x1
Startup Manual	x1

Back Panel I/O Port

1 PS/2 Keyboard
1 PS/2 Mouse
1 LPT Port
1 VGA Port
1 COM RS-232 Port
4 USB 2.0/1.1
1 LAN RJ45 Port
1 Audio I/O (3 jacks)

Internal I/O Connector

1 USB Connector supports 2 USB Ports
2 IDE Connector
1 COM Connector
2 SATA Connectors
1 Front Panel Audio Connector
1 LVDS Connector
1 CPU Fan Connector
1 Chassis Fan Connector
4-bit DIO
1 Inverter Connector

Mechanical & Environmental

Power Requirement	+12V 0.39A	+5V 2.02A	+3.3V 3.45A	5VSB 0.33A
Power Type	ATX			
Power Connector	20-pin ATX Power Connector			
Operating Temperature	0 to 60°C (32 to 140°F)			
Operating Humidity	0% to 90% relative humidity, non-condensing			
Size (L x W)	6.69" x 6.69" (170 mm x 170 mm)			
Weight	0.88lbs (0.4Kg)			

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