



### Features

- VIA Nano U3100E 1.3GHz CPU
- VIA VX900 Chipset
- One 204-pin SODIMM Socket Supports Up to 4GB DDR3 1333MHz SDRAM
- Dual View, Dual-channel LVDS, HDMI
- 7.1-CH Audio
- Dual Realtek RTL8111E Gigabit Ethernet
- Mini-PCle Card Slot
- 1 CF, 2 SATA, 2 COM, 7 USB, 16-bit GPIO

VIA VX900	Dual View	HDMI	7.1-CH Audio	2 GbE
Mini PCle	CF	2 COM	7 USB	16 GPIO

### Specifications

#### System

• CPU	VIA Nano U3100E 1.3GHz CPU
• FSB	800MHz
• BIOS	Award 4Mbit Flash BIOS
• System Chipset	VIA VX900
• I/O Chip	Nuvoton W83627DHG-P
• System Memory	One 204-pin SODIMM Socket Supports Up to 4GB DDR3 1333MHz SDRAM
• SSD	One CompactFlash Type I/II Socket
• Watchdog Timer	Reset: 3 ~ 255min. and 1min./step
• H/W Status Monitor	Monitoring System Temperature and Voltage with Auto Throttling Control
• Expansion	Mini-PCle Card Slot

#### I/O

• MIO	2 x SATA, 1 x RS232, 1 x RS232/422/485, 1 x K/B & Mouse, LPC
• USB	7 x USB 2.0
• DIO	8-bit GPI and 8-bit GPO

#### Display

• Chipset	VIA VX900
• Display Memory	Up to 512MB Frame Buffer Size Using System Memory
• Resolution	CRT Mode: 2560 x 1600 LCD/ Simultaneous Mode: 1600 x 1200
• Multiple Display	CRT + LVDS, CRT + HDMI, LVDS + HDMI
• LVDS	Dual-Channel 18/24-bit LVDS
• HDMI	Integrated by VIA VX900

#### Audio

• AC97 Codec	Realtek ALC892 Supports 7.1-CH Audio
• Audio Interface	Mic-in, Line-in, CD audio-in, Line-out

#### Ethernet

• LAN	Dual Realtek RTL8111E Gigabit Ethernet, Supports Wake on LAN
• Ethernet Interface	1000 Base-Tx Gigabit Ethernet Compatible

#### Mechanical & Environmental

• Power Requirement	+12V ~ +28V
• ACPI	Single Power ATX Support S0, S3, S4, S5 ACPI 3.0 Compliant
• Power Type	AT/ ATX
• Operating Temperature	0 ~ 60°C (32 ~ 140°F)
• Storage Temperature	-40 ~ 75°C (-40 ~ 167°F)
• Operating Humidity	0% ~ 90% Relative Humidity, Non-condensing
• Size (L x W)	5.7" x 4" (146mm x 101mm)
• Weight	0.44lbs (0.2kg)

### Ordering Information

- **ECM-VX900**  
VIA Nano U3100E 3.5" Micro Module with VIA VX900 Chipset
- **ACC-CF-xx**  
CompactFlash Card Series (xx = Capacity, Capacity Option: 128, 256, 512MB, 1, 2, 4, 8GB)
- **ACC-MEM-xx**  
Memory Series (xx = Capacity, Capacity Option: 256, 512MB, 1, 2GB)

1 Embedded System

2 ETXX/TX/COM Express

3 3.5" SBC

4 EPIC

5 5.25" SBC

6 PC/104

7 ATX

8 Micro ATX

9 Mini ITX

10 Nano ITX

11 ACP

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