



Features

- VIA Nano™ X2 Dual-Core processor, 1.2GHz on board
- 1x DDR3 SO-DIMM, up to 2 GB
- 4x Realtek Gigabit LAN, Optional LAN Bypass
- Integrated VIA VX900 VGA
- 2x USB 2.0, 1x COM, 1x SATA II
- 1x Mini PCI-E, 1x CF slot
- Watchdog timer

System

CPU	VIA Nano™ X2 U4300 Dual-Core processor, 1.2GHz
System Memory	1x DDR3 SO-DIMM, Max. 2GB (Non-ECC)
System Chipset	VIA VX900
BIOS	AMI
Watchdog Timer	256 levels
SSD	CF slot
H/W Monitor	Yes
Expansion Slots	1x Mini PCI-E (USB signal)

Mechanical and Environmental

Dimensions	203 mm x 146 mm (8" x 5.75")
Max. Power Requirement	VIA Nano X2 U4300@1.2GHz w/ DDR3 4GB/1333 +12V: 1.68A
Operating Temperature	0°C ~ 60°C (32°F~140°F)
Storage Temperature	-20°C ~ 80°C (-4°F~176°F)
Relative Humidity	10% ~ 90% (non-condensing)

Graphics

VGA Controller	VIA VX900
VGA Memory	Shared memory – Max. 512MB
Display Interface	N/A

Ordering Information

IB831-NB	VIA Nano™ X2 Dual-Core 5.25" Disk-Size SBC w/ 4x GbE LAN, 1x SATA II, w/o Bypass
IB831	VIA Nano™ X2 Dual-Core 5.25" Disk-Size SBC w/ 4x GbE LAN, 1x SATA II, with Bypass
PS2G	PS/2 keyboard and mouse cable
VGA8	VGA cable

LAN

Controller	4x Realtek RT8111E GbE
Bypass	LAN 1/2
Connector	4x RJ-45 on board

Multi I/O

I/O Chipset	VX900, W83627DHG COM1 via pin header Keyboard/mouse via pin header Hardware monitor (3 thermal inputs, 4 voltage monitor inputs & 4 fan headers)
USB	2 ports on board (USB 2.0)
Audio	N/A
Others	1x DC-In power connector