NET-1821CV2N

Network Application SBC with 2GbE /VGA/SATA/CF/ COM /PCIe

Dimensions

Features

- High performance network SBC adopts intel® C206 chipset
- Supports Intel® XEON and i3/i5 CPU
- Supports 4 x 240-pin DIMM, up to 16GB
- Supports 2 x GbE onboard&3 x PCIE expansion, total max 26 RJ45
- Supports 1 x SATA3.0 & 3 x SATA2.0, 4 x USB, 1 x CF, 1 x IDE, 2 x COM, 1 x PS/2
- Supports 4 x output programmable interface for user-defined LED

Specifications

System

processor	Intel® Socket FCLGA1155 package Ivy Bridge/Sandy Bridge/Xeon
Chipset	Intel® C206
Memory	Supports 4 x 240-pin DDR3 DIMM, up to 16GB ECC and non-ECC un-buffered memory
Hardware Monitor	Monitors system status, voltage, temperature and fan speed
Watchdog Timer	1~255 sec./min. timer system reset or interrupt, setup by software
Expansion Interface	Provides 1 x 32-bit PCI slot, PCI2.2 standard compliant (only supports 5V PCI device). Provides 4 x PCIE x 8slot, PCIE2.0 standard and PCIe1.1 standard compliant. PCIE1, PCIE2 and PCIE3 are PCIE dual x4 standard slots while PCIE4 is a standard PCIE x 8 slot

Storage

Serial ATA	Provides 1 x SATA3.0 connector and 3 x SATA2.0 connector: SATA1 supports SATA3.0 and complies with SATA2.0; SATA2, SATA3 and SATA4 support SATA2.0 and hot swap function
IDE	1 x 44-pin IDE
CF	1 x CF socket

I/O Interface

USB	4 x USB2.0 port are 9-pin header onboard
Serial Port	2 x RS-232 serial port are onboard via pin style, COM1 supports serial port redirection function
Parallel port	N/A
GPIO	8-channel DIO
Keyboard/Mouse	1 x PS/2
Others	1 x TPM

Display

Chipset	Intel® C206 integrated
Memory	N/A
Resolution	VGA mode up to 2048x1536@75Hz

Ethernet

Chipset	2 x Intel® 82583V
Speed	10/100M/1000Mbps
Connector	2 x 9-pin header onboard
Expansion	3 x PCI-E slot, supports max 24 LAN or 12 SFP ports

Mechanical and Environmental

Dimensions	310mm (L) x 210mm (W) x 26mm (H)
Operating Temperature	-10°C~60°C
Storage Temperature	-25°C~65°C
Operating Humidity	5%-95%, non-condensing

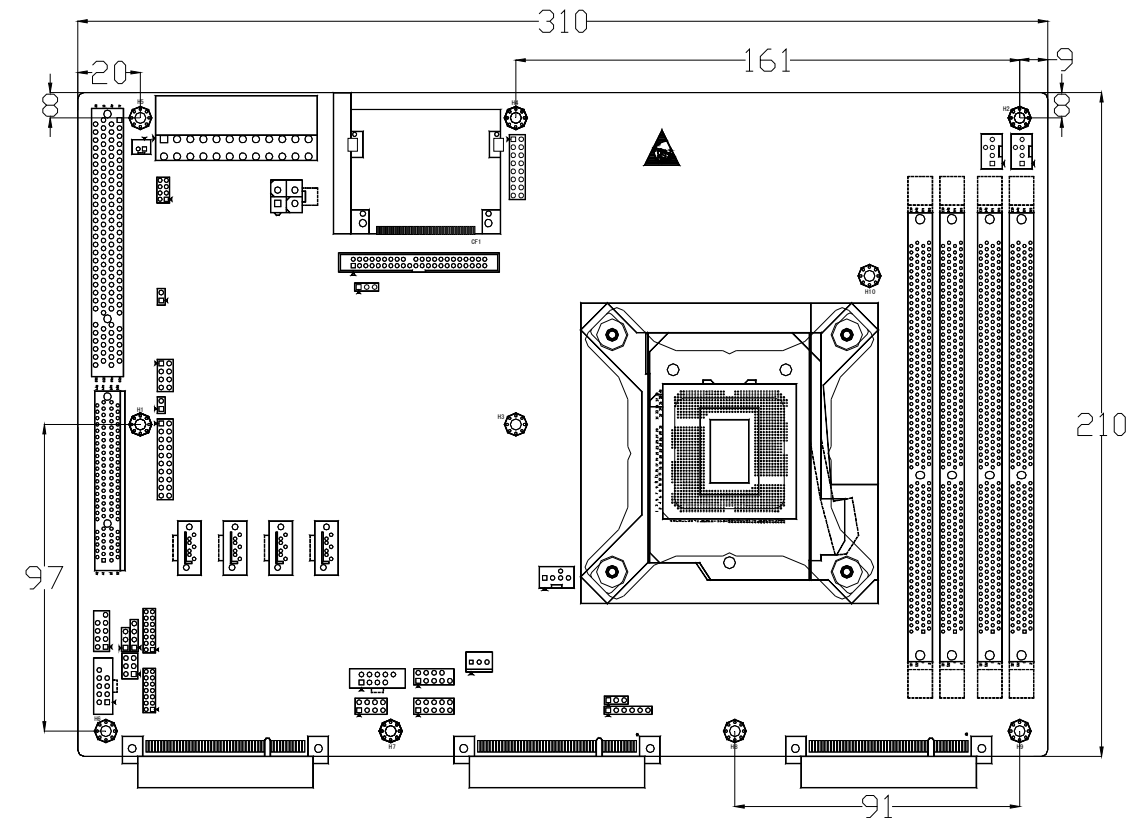### Power

Power Supply	Supports ATX power supply
Power Consumption	95W The typical consumption is based on the following idle status values CPU: Intel® Xeon® E3-1225 6M Cache SROOG 3.10GHz LGA 1155 Memory: DDR3 1066 2GB KINGTIGER HYNIX H5TQ1G83AFPG7C/ dual side/16 memory IC/dual side X1 Operating System: Windows XP+SP3 +5V@ 0.65A; +5%/-3% +3.3V@ 0.89A; +5%/-3% +12V@ 1.65A; +5%/-3%

Operating System

Windows OS	Windows XP and WIN 7
Embedded OS	Linux/XP Embedded

Ordering Information

Part Number	Model Number	Description
1030-014971	NET-1821VD2N (PCBA)	C206/Network Application SBC/RoHS: 2 x LAN

Parhelia B.V.
info@parhelia-bv.eu
www.parhelia-bv.com
+31(0)10 284 95 46