NET-1818VD10N

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

Features

- Chipset Intel®C206/B65/H61 optional
- Supports Intel® XEON and Sandy bridge i3/i5 CPU
- Supports Max 32GB system memory
- Supports 6 x GbE, 4 x SFP optional
- Supports 4 x SATA, 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 (B65/H61 platform does not support Xeon series CPU)
Chipset	Intel® C206 / B65 /H61 optional
Memory	Supports 4 x 240-pin DDR3 DIMM, up to 32GB ECC and non-ECC un-buffered memory(H61 supports 2 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) (H61 does not support PCI) Provides 1 x PCIE x8 slot, PCIE2.0 standard

Storage

Serial ATA	Provides 1 x SATA3.0 connector and 3 x SATA2.0 connector, supports RAID0/1/5/10 on Intel® C206 4 x SATA2.0 connector for Intel® B65 and 2 x SATA2.0 connector for Intel® H61, without RAID
IDE	1 x 44-pin IDE
CF	1 x CF socket

I/O Interface

USB	4 x USB2.0 port, two 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
Other	Bypass switch

Display

Chipset	Intel® C206 integrated
Memory	N/A
Resolution	VGA mode up to 2048x1536@75Hz, 2x8pin header onboard

Ethernet

Chipset	6 x Intel® 82583V + 1 x Intel®82580EB
Speed	10/100M/1000Mbps
Connector	6 x RJ45 + 4 x SFP
Expansion	1 x PCI-E slot, support standard PCI-E card

Mechanical and Environmental

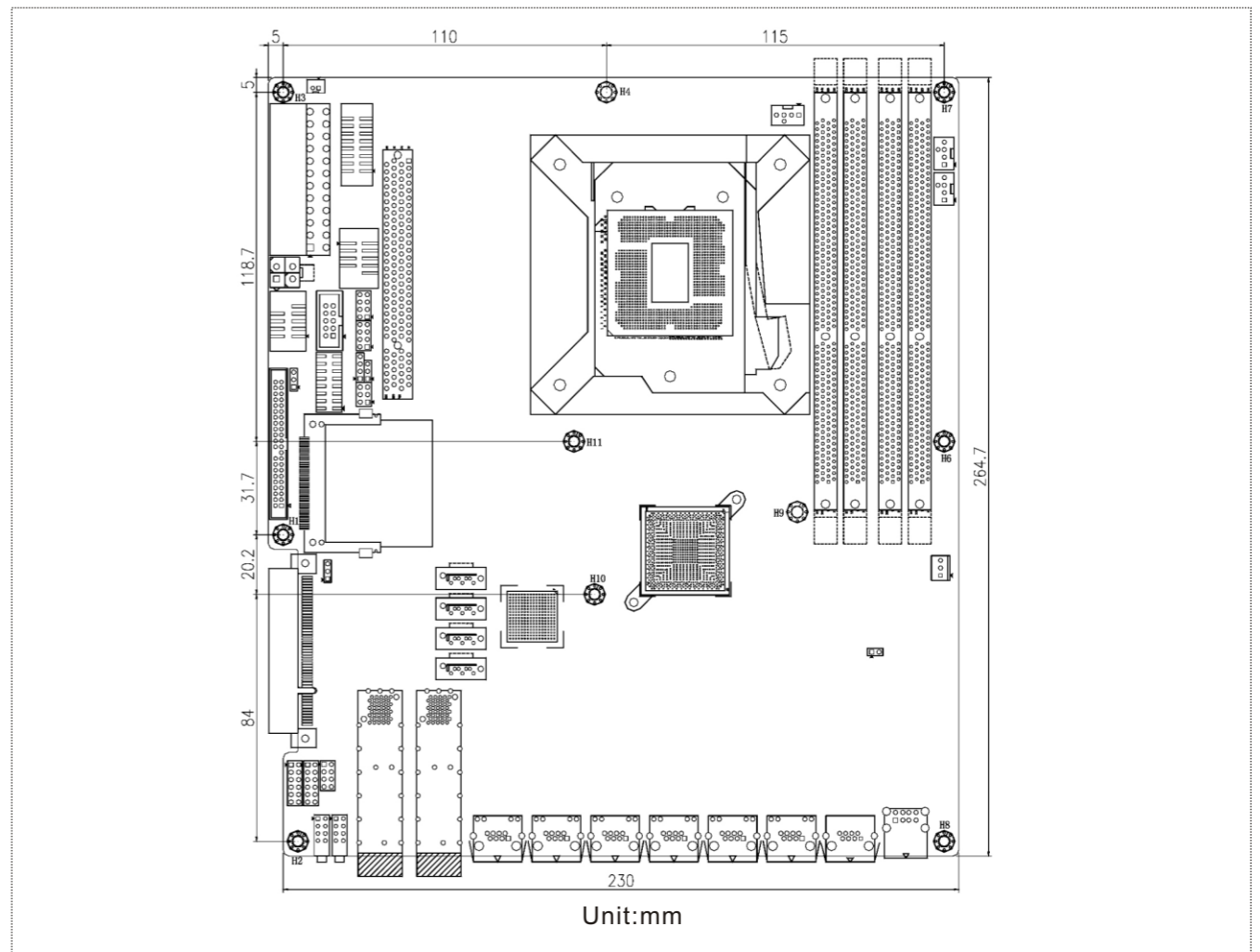|	
Dimensions	271.8mm (L) x 235mm (W) x 35.6mm (H)
Operating Temperature	-10℃~60℃
Storage Temperature	−25℃～60℃
Operating Humidity	5%-95%, non-condensing

Power

Power Supply	Supports ATX power supply
Power Consumption	95W The typical consumption is based on the following idle status values. CPU: Intel® Core™ i5-2300 6M Cache SR00D 2.8GHz LGA 1155 Memory: DDR3 1333 2GB Kingston; Operating System: Windows Linux; +5V@1.28A; +5%/-3%; +3.3V@0.95A; +5%/-3%; +12V@ 1.3A; +5%/-3%

Operating System

Windows OS	Windows XP and WIN 7
Embedded OS	Linux

Dimensions

Unit:mm

Related Products

Item	Typical Recommendation
1U Chassis	Barebone: NPC-8118/NET-1818VD10N
1U Chassis	Barebone: NPC-8118-2/NET-1818VD10N
1U Chassis	Barebone: NPC-8118-3/NET-1818VD10N

Ordering Information

Part Number	Model Number	Description
0030-018951	NET-1818VD10N-01	Network SBC/RoHS: Intel C206/6RJ45/4SFP/2Bypass
0030-019141	NET-1818VD10N-02	Network SBC/RoHS: Intel C206/6RJ45/4SFP
0030-018941	NET-1818VD6N-01	Network SBC/RoHS: Intel B65/6RJ45/2Bypass
0030-019131	NET-1818VD6N-02	Network SBC/RoHS: Intel B65/6RJ45
0030-019101	NET-1818VD6N(B)-01	Network SBC/RoHS: Intel H61/6RJ45/2Bypass
0030-019151	NET-1818VD6N(B)-02	Network SBC/RoHS: Intel H61/6RJ45

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