

NET-1820CVD6N

Network Application SBC with 6GbE/BYPASS/VGA/SATA/CF/ COM /PCI



Features

- Lightning-proof function and 6kV static protection
- Supports Intel® Atom™ D525 (Dual Core) or D425 (Single Core) CPU
- Supports 2 x 204-pin SODIMM, up to 4GB
- Supports 6 x GbE, supports 2-group bypass optional
- Supports 4 x USB, 2 x SATA, 1 x CF, 1 x IDE, 2 x COM, 1 x PS/2, 1 x PCI
- Supports 4 x output programmable interface for user-defined LED

Specifications

System

Processor	Supports Intel® Atom™ D525 (Dual Core) 1.8GHz or D425 (Single Core) 1.8GHz CPU
Chipset	Intel® ICH8M
Memory	Supports 2 x 204-pin 800MHz DDR3 SODIMM, up to 4GB
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	Supports 1 x PCI, compliant with PCI2.2 standard

Storage

IDE	1 x IDE, supports DOM
Serial ATA	2 x Serial ATA
Floppy	N/A
CF	1 x CF socket TYPE II

I/O Interface

USB	4 x USB2.0 ports, two are 9-pin header onboard
Serial Port	2 x RS-232 serial ports, COM1 is an RJ45 interface and COM2 is on board via pin style
Parallel Port	1 x LPT, supporting SPP/EPP/ECP mode
IrDA	N/A
GPIO	4 x DO
Audio	N/A
Keyboard/Mouse	1 x PS/2

Display

Chipset	Atom CPU integrated
Memory	Intel® Dynamic Video Memory Technology 4.0
Resolution	VGA mode up to 2048 x 1536@60Hz
Dual Display	N/A

Ethernet

Chipset	6 x Intel® 82574L
Speed	10/100M/1000Mbps
Connector	6 x RJ45

Mechanical and Environmental

Dimensions	224.3mm (L) x 148.5mm (W) x 30.8mm (H)
Operating Temperature	0°C~60°C
Storage Temperature	-20°C~80°C
Operating Humidity	10%-95%, non-condensing

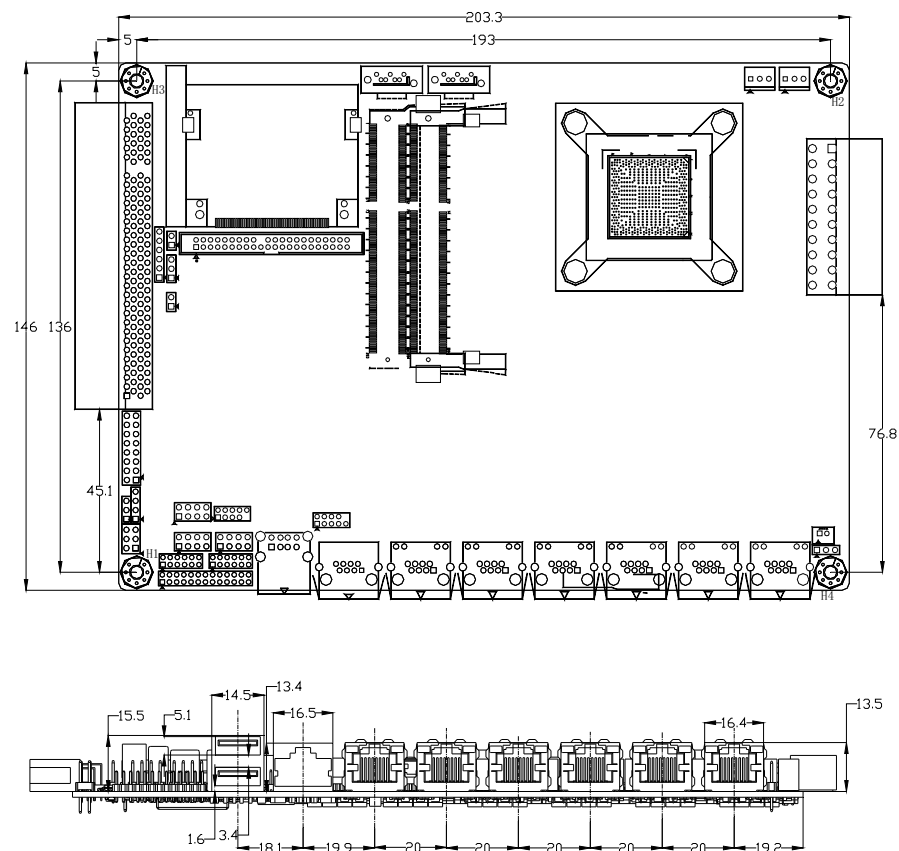
Power

Power Supply	Supports ATX power supply
Power Consumption	The typical consumption is based on the following idle status values. CPU: Intel Atom D525 1.8GHz FSB800MHz Memory: DDR3 1333 2GB Kingston*2 Operating System: Redhat Enterprise 6.0 +5V@0.08A; +5%/-3% +3.3V@2.53A; +5%/-3% +12V@0.97A; +5%/-3%

Operating System

Windows OS	Windows XP/2003
Embedded OS	Linux/XP Embedded

Dimensions



Unit:mm

Ordering Information

Part Number	Model Number	Description
0030-018561	NET-1820CVD6N(V)-01	Network Application SBC/RoHS: D525
0030-018571	NET-1820CVD6N(V)-02	Network Application SBC/RoHS: D425
0030-018581	NET-1820CVD6N(V)-03	Network Application SBC/RoHS: D525//2xBypass
0030-018591	NET-1820CVD6N(V)-04	Network Application SBC/RoHS: D425//2xBypass
0030-018601	NET-1820CVD6N-05	Network Application SBC/RoHS: D525//2xBypass/Lightning-proof&6kV
0030-018611	NET-1820CVD6N-06	Network Application SBC/RoHS: D425//2xBypass/Lightning-proof&6kV