NA-200A/B

Desktop Network Appliance Platform with Intel® EP80579 SoC Processor and 6 LANs

Front view

Rear view

Features

Low Power

- ■ Intel® EP80579 SoC 1.2 GHz with 256KB L2 cache processor
- ■ Supports 6 10/100/1000Mbps Ethernet ports (Intel® 82574, 82541PI, Marvell 88E1141)
- ■ Supports BIOS redirected to COM port features
- ■ Supports one 2.5" SATA2 HDD
- ■ High computing performance and throughput for processor and LAN ports
- ■ Supports Intel® QuickAssist technology
- ■ Suitable for network appliance; VPN, network bandwidth controller, firewall and UTM

Introduction

The NA-200 series is a 1U desktop network appliance which consists of NA-200A with support of Intel® EP80579 SoC 1.2 GHz with 256 KB L2 cache and NA-200B with support of Intel® EP80579 SoC 600 MHz with Intel® QuickAssist technology. With being only 44 x 221 x 151 mm in size, the NA-200A/B supports six Gigabit LAN ports, DDR2 800 SO-DIMM Non-ECC memory or ECC memory up to 2GB, and one MiniPCI interface for extended networking application. The NA-200A/B has powerful storage interfaces including one 2.5" SATA2 HDD bay and a CompactFlash™ card. To prevent sudden shutdown, the NA-200A/B supports LAN bypass function through WDT and GPIO pin definitions.

Specifications

System	
CPU	Intel® EP80579 SoC 1.2 GHz (NA-200A), Intel® EP80579 SoC 600 MHz w/ QuickAssist (NA-200B)
Memory	1 x DDR2 800 SO-DIMM max. up to 2 GB (non-ECC) (default) or 1 x DDR2 800 SO-CDIMM max. up to 2 GB (with ECC) (optional)
BIOS	AMI 16Mbit PnP Flash BIOS with function of BIOS redirected to COM port
HDD Interface	1 x 2.5" SATA2 HDD
Network Interface	6 x 10/100/1000Mbps Ethernet (Intel® 82574L, 82541 PI, Marvell 88E1141)
SSD	1 x CompactFlash™ type-II
I/O Interface	1 x RS-232 RJ-45 connector, 2 x USB connector, 6 x RJ-45 connector, 1 x DC-in power jack, system reset switch, factory default switch
Watchdog Timer	255 stepping for porting
USB	2 x USB port on rear side, rest are internal pin headers
Expansion Slot	1 x 32bit/33MHz MiniPCI slot
Other Features	* LAN bypass function through WDT and GPIO pin control (one group) * Supports Intel QuickAssist technology for accelerator agent enabling * Supports system reset switch and software factory default switch
Power Supply	1 x 12V, 5A power adapter
OS Compatibility	Redhat Linux 2.4 and 2.6 Kernel
Mechanical/ Environmental	
Form Factor	1U desktop
LED	Power, HDD, LAN bypass, Link/Act with transfer rate
Operating Temp.	0°C ~ +45°C (32°F ~ 113°F)
Storage Temp.	-20°C ~ +70°C (-4°F ~ +158°F)
Humidity	10% ~ 95% RH, non-condensing
Chassis Material	Steel
Dimensions	44 mm (1.73") (H) x 221.4 mm (8.66") (W) x 151.5 mm (5.94") (D)
Weight (net/gross)	2.5 kg (5.51 lb)/2.9 kg (6.39 lb)
Certification	FCC class B/CE class B

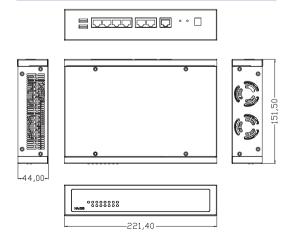## Ordering Information

Standard	
NA-200A-D6EI -1.2G	High performance network security appliance with Intel® EP80579 SoC 1.2 GHz CPU, 6 10/100/1000Mbps
NA-200B-D6EI -600	High performance network security appliance with Intel® EP80579 SoC 600 MHz CPU, 6 10/100/1000Mbps (QuickAssist technology support)
Optional	
CK9A104	Cable kit (P/N: 8816E320010E)
AX92101	VGA MiniPCI module
59416112100E	Cable DB9 (M) - RJ-45, L: 1.5M straight cable

* Specifications and certifications are based on options and may vary.
** Recommend ordering optional cable kit with first order.

Packing List

1 x DC power adapter 12V/5A
1 x SATA cable
1 x utility CD (user's manual and driver)
1 x RJ-45 to DB9 (F) 1.8M console cable (RC) cross cable

Dimensions