

NA-340

Desktop Network Appliance Platform with Intel® Atom™ Processor D525 and 6 LANs



▲ Front view



▲ Rear view



Introduction

NA-340 is a compact network hardware platform for VPN, Firewall, UTM and other network applications. It supports low power Intel® Atom™ processor D425/ D525 1.8 GHz with Intel® ICH8M PCH chipset and features a 1U desktop form factor. The system supports up to 4 GB of DDR3 800 memory. In addition, NA-340 features one internal 2.5" HDD for storing event log. To prevent problems from sudden shutdown, the NA-340 supports LAN bypass function through software program (optional). Meantime, the Mini PCIe card is for WiFi wireless card installation.

Specifications

| System | |
|---------------------------|--|
| CPU | Intel® Atom™ processor D525 1.8 GHz with 1M L2 cache |
| Chipset | Intel® ICH8M PCH chipset |
| Memory | 1 x DDR3 800 (single channel) SO-DIMM max. up to 4 GB (unbuffered non-ECC) |
| BIOS | AMI PnP Flash BIOS with function of BIOS redirected to COM port |
| HDD Interface | 1 x 2.5 SATA HDD |
| Network Interface | 6 x 10/100/1000Mbps Ethernet (Intel® 82583V (default), Intel® 82574L (optional)) |
| SSD | 1 x CFast™ 1 x CompactFlash™ type-II (optional) |
| I/O Interface | 1 x RS-232 (RJ-type connector), 2 x USB connector, 6 x RJ-45 connector, 1 x DC-in power jack (power din as option) |
| Watchdog Timer | Up to 8 stepping for porting |
| USB | 2 x USB 2.0 port on rear side, rest are internal pin headers |
| Expansion Slot | PCIe Mini Card (USB transaction bus) |
| Other Features (optional) | LAN bypass function through latch relay (one group) |
| Power Supply | 1 x 12V, 5A power adapter |
| OS Compatibility | Linux Redhat Kernel 2.6 |

Mechanical/ Environmental

| | |
|--------------------|--|
| Form Factor | 1U desktop |
| LED | Power, HDD, Link/Act with transfer rate, LAN bypass (optional), GPIO programmable (optional) |
| Operating Temp. | 0° ~ +40°C (32°F ~ 104°F) |
| Storage Temp. | -20° ~ +70°C (-4°F ~ +158°F) |
| Humidity | 10% ~ 90% RH, non-condensing |
| Chassis Material | Steel |
| Dimensions | 44 mm (1.73") (H) x 230 mm (9.00") (W) x 152.1 mm (5.98") (D) |
| Weight (net/gross) | 2.5 kg (5.5 lb)/2.9 kg (6.39 lb) |
| Certification | FCC class B/CE class B |

Features

- Low power and high performance Intel® Atom™ processor D525 1.8 GHz with 1M/512K L2 cache and Intel® ICH8M PCH chipset
- Supports 6 10/100/1000Mbps Ethernet ports (Intel® 82583V is default)
- Supports BIOS redirected to COM port
- Supports one 2.5" SATA HDD
- Suitable for VPN, network bandwidth controller, firewall applications
- Supports Intel® Hyper-threading technology
- Supports BIOS Quick Boot
- Supports Smart Fan for better thermal and acoustic performance

Ordering Information

Standard

| | |
|------------------------------------|--|
| NA-340-D6GI-D525-RC w/ Lan bypass | Compact network appliance with Intel® Atom™ processor D525 1.8 GHz, 6 10/100/1000Mbps (Intel® 82583V) and LAN bypass |
| NA-340-D6GI-D525-RC w/o LAN bypass | Compact network appliance with Intel® Atom™ processor D525 1.8 GHz, 6 10/100/1000Mbps (Intel® 82583V) and w/o LAN bypass |

Optional

| | |
|--------------|---|
| CK9A104 | Cable kit (P/N: 8816E320010E) |
| 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 |

Dimensions

