NA342

Desktop Network Appliance Platform with Atom™ Bay Trail E3825 Processor and 4 LANs







Introduction

NA-342 is compact network hardware platform for VPN, Firewall, UTM and other network security applications. It supports low power Atom™ Bay Trial up to 4C@ 2.0GHz processor. The system supports up to a maximum of 8GB of DDR3L memory. In addition, NA-342 features one internal 2.5" HDD for storing event log and a Mini PCle for wireless card installation. The NA342 has an optional feature to support LAN bypass function through WDT and GPIO pin definitions to prevent sudden shutdown.

Specifications

| System | · |
|------------------------------|--|
| CPU | Intel® Atom™ E3825 processor Intel® Celeron® J1900 processor (optional) |
| Chipset | N/A |
| Memory | 1 x DDR3L SO-DIMM socket. Max up to 8 GB non-buffer |
| BIOS | AMI 16Mbits PnP Flash with function of BIOS redirected to COM port |
| HDD Interface | 1 x 2.5" SATA HDD |
| Network Interface | 4 x 10/100/1000Mbps Ethernet (Intel® i210AT) |
| SSD | 1 x CompactFlash™ type-II |
| Watchdog Timer | Up to 8 stepping for porting |
| I/O Interface | 1 x console RJ-type connector, 2 x USB connector, 4 x RJ-45 connector |
| USB | 1 x USB 2.0 & 1x USB 3.0 port on front side |
| Expansion Slot | PCIe Mini Card (USB transaction bus) |
| Other Features (Optional) | LAN bypass function through latch relay (one group) |
| Power Supply | 12V/5A |
| 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 | |
| Operating Temp. | 0°C ~ +40°C (32°F ~ 104°F) | |
| Storage Temp. | -20°C ~ +70°C (-4°F ~ +185°F) | |
| Humidity | 10% ~ 90% RH, non-condensing | |
| Chassis Material | Steel | |
| Dimensions | 44 mm (1.73") (H) x 230 mm (9.00") (W) x 152.8 mm (6.01") (D) | |
| Weight (net/gross) | 2.5 kg (5.51 lb)/2.9 kg (6.39 lb) | |
| Certification | FCC class B / CE class B | |
| | | |

Features

- Low power and high performance Intel[®] Atom[™] Bay Trail E3825 processor
- Supports 4 10/100/1000Mbps Ethernet ports (Intel® i210AT)
- Supports BIOS redirected to COM port
- Supports one 2.5" SATA HDD
- Supports wireless
- Suitable for VPN, network bandwidth controller, firewall applications

Ordering Information

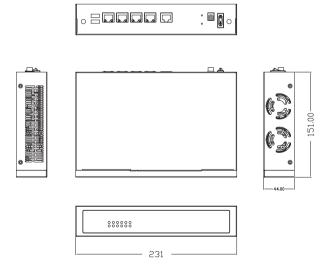
| Standard | |
|---------------|---|
| NA342-D4GI-US | Desktop network appliance with Intel® Atom™ E3825 processor and 4 10/100/1000Mbps |

^{*} Specifications and certifications are based on options and may vary.

Packing List

| 1 x power cord |
|--|
| 1x utility CD (user's manual and driver) |

Dimensions



^{**} Recommend ordering optional cable kit with first order.

^{*} All specifications and photos are subject to change without notice.