

# NA-340FL

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



Fanless Low Power

## Introduction

NA-340FL is a fanless 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 noiseless system supports up to 4 GB of DDR3 800 memory. In addition, NA-340FL features one internal 2.5" HDD for storing event log. To prevent problems from sudden shutdown, the NA-340FL 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) (wide temp. support is available upon request.)
BIOS	AMI PnP Flash BIOS with function of BIOS redirected to COM port
HDD Interface	1 x 2.5 SATA HDD (wide temp. support is available upon request.)
Network Interface	6 x 10/100/1000Mbps Ethernet (Intel® 82583V (default), Intel® 82574L (optional))
SSD	1 x CFast™ (wide temp. support is available upon request.) or 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	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
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 152.8 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

\* All specifications and photos are subject to change without notice.  
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## 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
- Fanless and noiseless operation
- Suitable for VPN, network bandwidth controller, firewall applications
- Supports Intel Hyper-threading technology
- Supports BIOS Quick Boot

Overview

SOHO Series

SMB Series

Accessories

## Ordering Information

Standard	
NA-340FL-D6GI-1.8G	Compact network appliance with Intel® Atom™ processor D525 1.8 GHz and 6 10/100/1000Mbps (Intel® 82583V)

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

