NA-710

1U Rackmount Network Appliance Platform with LGA775 Intel® Core™2 Quad/ Core™2 Duo Processor and 6 LANs

▲ Front view

▲ Rear view

Introduction

The NA-710 1U rackmountable network appliance supports LGA775 socket for Intel® Core™2 Duo/Core™2 Quad/Celeron® processor and up to 4GB DDR3 with two DIMM memory slots. For LAN ports, we can provide copper and fiber solution on the same platform design, it has four configurations to meet different customer's requirements. For storing event log data, the NA-710 utilizes two 2.5" SATA HDD or one 3.5" SATA HDD. NA-710 also can have limited support of SATA DOM as an option. To ensure an uninterrupted network connection, the NA-710 supports two-group bypass functions activated automatically when the system is powered down or off. Lastly, the NA-710 offers optional Cavium CN1005 VPN accelerator.

Specifications

System

CPU	LGA775 socket for Intel® Core™2 Duo/ Core™2 Quad/ Celeron® processor
Chipset	Intel® G41 + ICH7R
Memory	2 x DDR3 800/1066 DIMM max. up to 4 GB (2 x 2 GB) (unbuffered non-ECC)
BIOS	Award 64Mbit PnP Flash BIOS with function of BIOS redirected to COM port
HDD Interface	2 x 2.5" SATA HDD (default) or 1 x 3.5" SATA HDD (optional)

Network Interface	Configuration 1 (Default)	Configuration 2 (Option)	Configuration 3 (Option)	Configuration 4 (Option)
10/100/1000Mbps (RJ type)	6	7	4	5
10/100/1000Mbps (fiber w/ SFP type)	0	0	2	2
PCIe x8 expansion slot	1	0	1	0

Remark: Intel 82583V for RJ-45 10/100/1000Mbps

SSD	1 x CompactFlash™; limited support of DOM for SATA2 type
I/O Interface	1 x RS-232 (RJ type), 2 x USB connector, 6 x RJ-45 connector
Watchdog Timer	255 stepping for porting
USB	USB 2.0 port on front side, rest are internal pin headers
Expansion Slot	PCIe x 8 slot (default)
Other Features	LAN bypass function through WDT and GPIO pin control (LAN 2 & LAN 3, LAN 4 & LAN 5)
Power Supply	270W ATX power supply
OS Compatibility	Linux Redhat Kernel 2.4 and 2.6, FreeBSD

Mechanical/ Environmental

Form Factor	1U rackmount
LED	Power, HDD, Link/Act with transfer rate (RJ-45)
Operating Temp.	0° ~ +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 430 mm (16.92") (W) x 394.4 mm (15.52") (D)
Weight (net/gross)	8.2 kg (18.08 lb)/9.8 kg (21.61 lb)
Certification	FCC class A/CE class A

Features

- LGA775 socket Intel® Core 2 Duo/ Core™2 Quad/ Celeron® processor
- Supports six 10/100/1000Mbps Ethernet ports (Intel® 82583V) or optional fiber port solution
- Supports single mode or multi mode fiber connection by SFP flexible design
- Supports BIOS redirected to COM port
- Supports two 2.5" SATA HDD or one 3.5" SATA HDD for data or proxy
- Supports Cavium CN1005 accelerator on board (optional)
- Suitable for VPN, network bandwidth controller, firewall and UTM applications

Ordering Information

Standard

NA-710-R6GI	1U high performance network appliance with LGA775 socket for Intel® Core™2 Duo/ Core™2 Quad processor, 6 10/100/1000Mbps (6 RJ)
NA-710-R6MI	1U high performance network appliance with LGA775 socket for Intel® Core™2 Duo/ Core™2 Quad processor, 6 10/100/1000Mbps (4 RJ+2 SFP)

Optional

CK9A104	Cable kit (P/N: 8816E320010E)
40155720040E	Fiber module (SFP type multi-mode)
59416112100E	Cable DB9 (M) - RJ-45, L: 1.5M straight cable

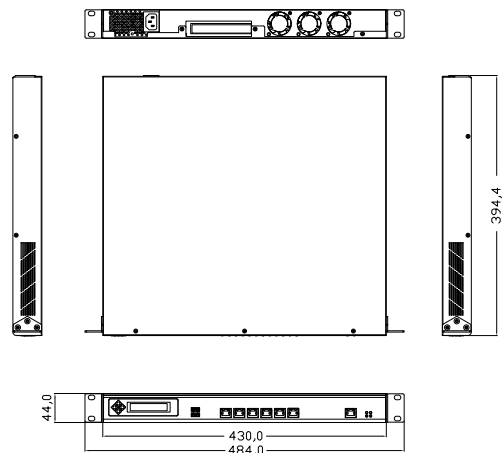* Specifications and certifications are based on options and may vary.

** Recommend ordering optional cable kit with first order.

Packing List

1 x power cord
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

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