

NS-840/210 2U Rackmount Net-Server

with Pentium4, 2.4GHz CPU

Gigabit Ethernet/Four Lan Ports/2GB DDR Ram/Ethernet Bypass



Features

- Pentium4 Processor up to 2.4GHz
- Gigabit Ethernet
- Four Lan Ports
- 2GB DDR Ram
- Ethernet Bypass capability for Network Management
- 16MB VGA Memory

Introduction

ADLINK NS-840/210 Series consists of 2U rackmount Net-Server that provides flexible solutions for ISPs, telecommunications and network computing applications. Equipped with 2.4GHZ Pentium4 CPU, NS-840/210 perform ultimate networking throughput by Gigabit Ethernet and up to 4 Lan ports. 2GB DDR RAM and 400MHz FSB give all computing power that networking application will ever required without adding additional parts. 16MB VGA delivers rich AGP graphic capability for multimedia applications. Most important is the bypass capability that will give you automatically fault tolerance in Ethernet without any network service impact!

Application

- Web Hosting Servers
- Application Servers
- Traffic Management
- Load Balancing
- Internet Gateway
- SSL/XML Accelerators
- Network Management
- QoS
- IAD (Internet Access Device)



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Specifications NS-840/210

Processor System	CPU	Socket 478 Intel Pentium4	
	Max Speed	2.4GHz	
	L2 Cache	512KB	
	Chipset	Intel 845D(with ICH2)	
	BIOS	Award PnP BIOS	
Bus	Front Side Bus	400MHz	
Memory	Technology	184-pin DDR DIMM	
	Max.Capacity	2GB	
	Socket	DIMMx2	
Graphic	Controller	SiS 305 3D graphic engine	
	VRAM	16MB	
	Resolution	1600x1200	
Ethernet	Interface	1000 BaseTX*1+10/100 BaseTX*1(add on 2*10/100TX are on the bypass card)	
	Controller	Intel 82540,82562,(2*82559 on the bypass card)	
Bypass Management	Interface	2*10/100 BaseTX	
	Controller	2*Intel 82559	
	Watch-dog timer	Build-in	
	LAN LED	Reserved extra pin header for LAN status LED	
Hardware Monitoring	Built in	CPU temperature,CPU Fan,System Temperature and DC Voltage	
Watch Dog Timer	Programmable	I/O port 2Eh and 2Fh to config,programmable timer 1~255 sec or 1~255 minutes	
Drive Bay	3.5"HDD	2(ATA-100)	
	CDROM	5.25" or Slim type	
	FDD	3.5" FDD	
I/O Interface	USB	2 (By Pin header)	
	PS/2	2(By Y Cable)	
	COM Ports(RS-232)	2	
Flash Disk	Type	Flash Module DOM(8MB~256MB) or 2.5" IDE flash disk(16MB~2GB)	
Cooling	Fan	3*80mm cooling fans with filter	
Operating System	Capatible	Windows 9X/NT/2000,Linux RedHat 7.x,QNX	
Power Supply	Watt	300W ATX	
Physical	Dimensions(WxHxD)	427(W)*45(D)*88(H)(mm)	
Environment		Operating	Non-Operating
	Temperature	0~60°C	-20~70°C
	Humidity	5~85% @40°C	5~95%

Competitive Advantages

Manufacturer	ADLINK	IEI	Advantech
Model	NuPRO-840	ROCKY-478E2V	PCA-6184
Card Size		Full	Full Full
CPU Support	FCPGA Pentium 4	FCPGA Pentium 4	FCPGA Pentium 4
Chipset	Intel 845	Intel 845	Intel 845
CPU FSB	400MHz	400MHz	400Mhz
CPU Speed	2.0 GHz	2.0GHz	2.2 Ghz
DIMM Slots	2	2	2
Max Memory	2.0 GB DDR	2 GB	2 GB
Audio	AC97	AC97	no info
Ethernet	2+2(10/100x1, GB x1)	2(10/100MB)	2(10/100MB)
Ethernet Chip	82562x1, 82540 x1	82562	82559
IDE	2 (ATA 100)	2 (ATA66)	2(ATA100)
LCD Support	NA	N	N
Power Connector	Onboard	Onboard (ATX)	OnBoard
PS/2	1	1	1
SCSI	0	NA	none
SSD	none	Compact Flash	none
USB	2 (pin header)	2	4
VGA	AGP 8/16 MB	Shared	32MB
VGA Chip	SIS 305	SIS 315	ATI RAGE PRO 128 4XL

Ordering Information

- NS-840DV/210: 2U rackmount server with onboard Dual Lan
- NS-840LV/210: 2U rackmount server with on board Single Lan
- PCI-8214: Bypass function PCI card with dual Intel 82559 10/100MB Ethernet ports



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ADLINK TECHNOLOGY INC.
凌華科技股份有限公司
 Tel: 886-2-82265877
 Fax: 886-2-82265717
 E-mail: service@adlinktech.com

ADLINK TECHNOLOGY AMERICA, INC.
 Toll Free: 1-866-4-ADLINK
 Fax: 1-949-727-2099
 E-mail: usa@adlinktech.com

ADLINK TECHNOLOGY SHENZHEN (深圳凌華)
 Tel: 86-755-26419-680/667/670
 Fax: 86-755-26646-353
 E-mail: shenzhen@adlinktech.com

ADLINK TECHNOLOGY SINGAPORE PTE LTD
 Tel: 65-6844-2261
 Fax: 65-6844-2263
 E-mail: singapore@adlinktech.com

ADLINK TECHNOLOGY BEIJING (北京凌華)
 Tel: 86-10-6296-2789-91
 Fax: 86-10-6296-2796
 E-mail: beijing@adlinktech.com

ADLINK TECHNOLOGY SHANGHAI (上海凌華)
 Tel: 86-21-64955210~64955214
 Fax: 86-21-64500414
 E-mail: shanghai@adlinktech.com

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