

# Newisys<sup>®</sup> NA-1400

## Network Attached Storage Appliance

Our Designs.  
Your Success.

Desktop storage appliance  
for the most stringent  
data movement,  
management and protection.

More and more, small businesses and home computing environments face the challenge of efficiently managing, securing and protecting their electronic assets securely. The Newisys<sup>®</sup> NA-1400 Network Attached Storage (NAS) Appliance is a versatile, desktop storage appliance designed to give small businesses, branch offices and home computing environments the best possible storage available. The NA-1400 connects to any network, personal computer or media device to provide up to two terabytes of storage in a compact external unit.

The NA-1400 serves as a repository for shared files, a backup center for critical business data or as an incremental storage unit for electronic information. If extra data

storage is needed for home computing, the NA-1400 easily acts as a storage center for files from any USB 2.0-compliant device, such as MP3 players, digital cameras, PDAs, laptop and desktop computers, DVD player/recorders and set-top boxes.

Plus, the NA-1400 is easy-to-use. The NA-1400's intuitive software guides users through installation, management and maintenance activities as incremental storage is added to any home or small business computing environment. The NA-1400 also features two USB ports on the front panel and two GigE ports on the rear panel for easy connectivity.

### Product Features

- 1.0TB, 1.6TB and 2.0TB models
- 4 hot-swap SATA, 1 high-capacity disk drive
- 18 – 22 MB/s performance
- Intel<sup>®</sup> XScale<sup>®</sup> processor with Linux-based operating system for reliability and compatibility
- Two USB ports on the front panel for easy connection with digital media devices; both can be configured for separate networks or direct-connect
- Two GigE RJ45 Ethernet ports on the rear panel for direct-attach or Ethernet-based host connection
- Locking front and rear panels for added security against unauthorized removal of hot-swap drives

### Product Highlights:

#### Small Businesses

Store and protect important business data in a branch office or small business.

#### Home Media

Safeguard personal data, video, photos, movies and music.

#### Data Protection

Use as a printer server or backup device for full-featured data protection.



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## Technical Specifications

### STORAGE CAPACITY

Four preconfigured models with capacity totals of 1.0TB, 1.6TB and 2.0TB  
RAID level selected will determine the capacity available

### PROCESSOR

Intel® XScale® 80219 600 processor

### MEMORY

Single 256MB DDR SDRAM w/ECC,  
expandable to 512MB

### CACHE

32KB data cache

### RAID LEVELS

RAID 0, 1 and 5

### SUPPORTED HOSTS

Up to 20 with base memory configuration

### CLIENT OS SUPPORT

Microsoft® Windows® 9.X, Windows ME, Windows 2000, Windows 2000 Server, Windows XP Professional, Windows XP Home Edition, RedHat®, Mandrake®, SUSE®

### SUPPORTED FILE SYSTEMS

SMB, CIFS, XFS, HTTP, CIM Client, Anonymous FTP

### SUPPORTED MEDIA DEVICES

USB ports will support up to two USB 2.0-compliant devices at the same time; downward compatible to USB 1.1

### CONNECTIVITY

Two 1GB Ethernet RJ45 connectors located on the rear panel  
Two USB 2.0 connectors located on the front panel

### CONFIGURATIONS AND SUPPORTED DRIVES

#### NA-1400 1.0 TB

(4 x 250GB SATA 1 drives, preconfigured)

#### NA-1400 1.6 TB

(4 x 400GB SATA 1 drives, preconfigured)

#### NA-1400 2.0 TB

(4 x 500GB SATA 1 drives, preconfigured)

### OPERATING SYSTEM

Linux-based appliance operating system with user-friendly GUI for installation and management activities

#### Standard Features:

- Print server (USB)
- External USB disk
- Access control list
- File sharing
- System monitoring and reporting
- Web-based user interface

#### Optional Features:

- Win2000 active directory service
- Journaling file system

### DIMENSIONS

#### NA-1400 1TB and NA-1400 2TB

**Height:** 220 mm (8.7 in.)

**Width:** 170 mm (7.2 in.)

**Depth:** 260 mm (10.2 in.)

**Weight:** 3.6 kg (7.9 lbs) for open bay, 6.8 kg (14.95 lbs) with 4 hard disk drives and 4 hard disk drive carriers

### POWER (all configuration)

External power supply

**Output:** 19V, 6.3A, 120 W max.

**Input:** 90 – 264V AC, 47 – 62Hz 3.2A @ 115V AC 1.7A @ 230V AC

### ENVIRONMENTAL (all configuration)

#### FCC Rating

Class B

#### Temperature

Operating: 0 – 35°C

Packaged: -40 – 65°C

#### Humidity Range

Operating: 8% to 80% RH non-condensing

Packaged: 5% to 95% RH non-condensing

#### Altitude

Operating: Up to 3.048 m (10,000 ft.)

Packaged: Up to 10.600 m (35,000 ft.)

#### Mechanical Vibration

Operating: 0.25G at 5Hz – 500Hz in all axes

Non-operating: 1.0G at 5Hz – 500Hz in all axes

Packaged: ISTA random vibration specification

#### Mechanical Shock

Operating: 5G, 11 msec duration, 1/2 sine all 6 faces

Non-operating: 30G, 11 msec duration, 1/2 sine, all 6 faces

Packaged: ISTA impact specification

#### ESD

15,000V human body model



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## About Newisys

Newisys, Inc., is an innovative design company developing and manufacturing easy-to-deploy server and storage technology for Original Equipment Manufacturers (OEMs). A Newisys partnership provides the highest-level quality design synchronized with the world's most comprehensive global manufacturing infrastructures and supply chain through the manufacturing prowess of Sanmina-SCI.

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