

# ReadyNAS™ NV



## Advanced NAS for Office and Home

Infrant Technologies' ReadyNAS NV is the latest addition to the award-winning ReadyNAS product family. Network attached storage (NAS) devices enable business and home users to access large amounts of data in a cost-effective manner. The ReadyNAS NV brings several innovations to the existing line of products; foremost is the addition of four hot-swappable Serial ATA disk trays. The NV also has a faster CPU, increasing performance by up to 20 percent, an even more compact design (8"H x 5"W x 9"D), a one-touch backup button, and a carrying handle for easier transport.

### Complete NAS for businesses of all sizes

The ReadyNAS NV brings the dependability of RAID technology in a cost-effective and easy-to-use package to SOHOs and SMBs via Infrant's patent-pending Expandable Protection (X-RAID™) technology. X-RAID completely automates the RAID process, allowing users with no previous knowledge of RAID to reap the benefits of the technology and never lose precious data again. The NV also supports industry-standard RAID 0, 1, and 5 configurations. With the hot-swappable capabilities, servicing is simplified and downtime is minimized.



The NV provides three different security modes, from a basic "share" mode for small offices all the way up to "domain" mode for corporate environments. Additional advanced features of the NV include system monitoring and e-mail alerts that notify the user instantly of a hard drive failure, providing extra protection from possible data loss. It also includes a "snapshot" feature for backing up volumes at a specified interval, providing extra protection against viruses.

### Ideal for home use, too

The ReadyNAS NV is equipped with a Gigabit Ethernet connection to facilitate large file transfers, and it supports all popular streaming media protocols. Additionally, it has built-in media server capabilities, allowing users to access their content directly through the NAS, removing the need for a PC. With its class-leading performance, the NV is the only NAS on the market capable of handling multiple HD video streams, which comes in handy when the unit is used for streaming personal videos, music and pictures.

RAID Configuration

Number of disk Installed	RAID Configuration			
	RAID 0	RAID 1	RAID 5	X-RAID
1				
2				
3				
4				

- Redundancy against single disk of failure.
- X-RAID auto volume expansion.
- Storage capacity (base on single volume).
- Default RAID setting.

Infrant has extensively tested the unit for compatibility with devices from a wide variety of products that support Ethernet connections, including Digital Media Adapters and Network DVD Players. Additionally, the NV supports all major operating systems, including Windows®, Linux, Mac OS X and UNIX.

### Environmentally Sound Chassis Design

The elegant case is designed with heavy-gauge metal in a double-hull construction for rigidity. The complete NV design from chip to board to power supply to chassis is lead (Pb) free and compliant with the European RoHS (Restriction of Hazardous Substance) environmental standard.

## The Newest Product from the Award-winning ReadyNAS Family



## ReadyNAS NV Specifications

### General

Infrant IT3107 Network Storage Processor  
 4 Serial ATA Disk Trays  
     Hot Swappable and Lockable Trays  
     Compatible with SATA 1.0 and SATA II disks  
 10/100/1000 Ethernet  
 3 USB 2.0 Ports  
 256MB PC2700 DDR-SDRAM SO-DIMM

Embedded 64MB Flash Memory for OS  
 Compatible with Windows, Mac, UNIX, & Linux  
 DHCP Server and Print Server

### RAID

Hardware RAID 0, 1, 5 or X-RAID  
 Hardware X-RAID Single Volume Auto Expansion  
     New disk must be equal or larger in size  
     Original disks are replaceable with larger disks  
     one by one for unlimited volume expansion  
 Multiple Volume Support for RAID 0, 1, 5  
 Disk Capacity Supported:  
     80/120/160/200/250/300/400/500GB

### Volumes

Volume Management  
 Single Volume Auto Expansion (X-RAID)  
 Journal and non-Journal Mode  
 User, Group, and Share-level Quotas

### Network File Services

CIFS/SMB for Windows  
 AFP 3.1 for Mac OS 9/X  
 NFS v2 / v3 for Linux and UNIX  
 HTTP/S for Web Browsers  
 Anonymous and User-level FTP/S

### Media Streaming

UPnP AV  
 SlimServer  
 Network DVD Player Compatible

### Network Security

Secure Socket Layer (SSL)  
 Windows ACL  
 Share Access Control  
 All Network Logins utilizing Encryption  
 Selectable Share, User, and Domain/ADS modes

### Backup

Backup button for USB Drive or Preconfigured  
 Backup Job  
 Integrated Backup Manager  
     Backup to/from CIFS/NFS/FTP/HTTP/RSYNC  
     Backup to/from USB disks  
 Genie-soft Windows Backup Software Included

### Network Options

DHCP or Static IP  
 WINS, NTP

### System Management

Performance Options  
 Device Status  
 Email Alerts  
 Event Logs  
 SNMP

### USB Device Supported

USB Disks and Flash  
 Printers  
 UPS Monitoring and Auto Shutdown  
 Wireless Network Adapters

### Web Browsers Supported

Internet Explorer 6.0+  
 Netscape Navigator 7.0+  
 Opera 7.0+; Safari 1.22+  
 Mozilla Firefox 1.03+

### Languages

Management UI: English, Japanese, Chinese, German  
 File Name: Unicode

### Electrical

Server-rated AC Power Supply  
 Temperature Sensitive Power Supply Fan  
 Voltage: 100~240 VAC Auto-ranging  
 Input Frequency: 50/60Hz

### Power Consumption

55 W typical (with 4 x 250GB disks)

### Thermal

92 mm Ball-bearing Chassis Cooling Fan  
 Fan Failure Email Alert  
 Disk High Temperature Email Alert and Auto Shutdown

### Operating Environmental

0°C - 40°C  
 20 - 80% Humidity (non-condensing)

### Safety and Environment

FCC, UL, CE, RoHS Compliance

### Physical

Kensington Lock Security Hole  
 Easy Carry Handle  
 Height: 7.9 in (200 mm)  
 Width: 5.2 in (132 mm)  
 Depth: 8.7 in (222 mm)  
 Weight: 10.2 pounds (4.6 Kg) without Hard Disks

### Optional Spare Parts

Lockable Disk Tray, set of four (P/N: RNV1-DTR1-4)  
 Lockable Disk Tray, single (P/N: RNV1-DTR1-1)  
 92 mm Chassis Fan (P/N: RNV1-FAN1)  
 AC Power Supply (P/N: RNV1-PSU1)

### Infrant Technologies Inc.

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