

READYNAS SPECIFICATIONS

	Duo	NV+	NVX	1100	2100	3200	Pro Pioneer	Pro Business
Hardware								
- CPU	IT3107	IT3107	Intel Embedded	IT1004	Intel Embedded	Intel Multi-core	Intel Multi-core	Intel Multi-core
- Memory	256 MB	256 MB	1 GB	512 MB	1 GB ECC	4 GB ECC	1 GB	1 GB
- Embedded flash memory for firmware	64 MB	64 MB	128 MB	64 MB	128 MB	128 MB	128 MB	128 MB
- Form factor	Pedestal	Pedestal	Pedestal	1U Rackmount	1U Rackmount	2U Rackmount	Pedestal	Pedestal
- Serial ATA channels	2	4	4	4	4	12	6	6
- Hot-swappable disk trays	✓	✓	✓	✓	✓	✓	✓	✓
- Lockable disk trays	✓	✓	✓	✓	✓	✓	✓	✓
- 10/100/1000 Ethernet ports	1	1	2	2	2	2	2	2
- USB 2.0 ports	3	3	3	3	3	2	3	3
- LCD/OLED display		LCD	LCD				OLED	OLED
- Compatible with SATA I & II HDD	✓	✓	✓	✓	✓	✓	✓	✓
- Native SATA II support			✓		✓	✓	✓	✓
- Enterprise SATA HDD on pre-populated systems		✓	✓**	✓	✓	✓	✓	✓
- Kensington latch	✓	✓	✓				✓	✓
RAID								
- Auto-expandable X-RAID™	✓	✓		✓				
- Auto-expandable X-RAID2™			✓		✓	✓	✓	✓
- X-RAID2™ with dual redundancy option							✓	✓
- Online volume expansion		✓	✓	✓	✓	✓	✓	✓
- RAID levels 0/1 (Flex-RAID)	✓	✓	✓	✓	✓	✓	✓	✓
- RAID levels 5 (Flex-RAID)		✓	✓	✓	✓	✓	✓	✓
- RAID levels 6 (Flex-RAID)						✓	✓	✓
- Multiple volume support (Flex-RAID)	✓	✓	✓	✓	✓	✓	✓	✓
- Hot-swap support	✓	✓	✓	✓	✓	✓	✓	✓
- Hot-spare support (Flex-RAID)		✓	✓	✓	✓	✓	✓	✓
- Background sync and Smart Sync™ resume	✓	✓	✓	✓	✓	✓	✓	✓
- Life Support™ mode	✓	✓	✓	✓	✓	✓	✓	✓
Volumes								
- Volume management		✓	✓	✓	✓	✓	✓	✓
- Single-volume auto-expansion (X-RAID/X-RAID2)	✓	✓	✓	✓	✓	✓	✓	✓
- Journaled file system	✓	✓	✓	✓	✓	✓	✓	✓
- Snapshot with scheduling		✓	✓	✓	✓	✓		✓
- Share-level quotas		✓		✓				
- User and group-level quotas	✓	✓	✓	✓	✓	✓	✓	✓
- Migration to NV+/1100	✓	✓		✓				
- Migration to Pro			✓		✓	✓	✓	✓
- Disk scrubbing			✓		✓	✓	✓	✓
- Background volume check			✓		✓	✓	✓	✓
- iSCSI target with expansion support			✓		✓	✓	Optional*	✓

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Network File Services

- Supports Windows, Mac, Linux/UNIX clients	✓	✓	✓	✓	✓	✓	✓	✓	✓
- CIFS/SMB for Windows and Mac OS X	✓	✓	✓	✓	✓	✓	✓	✓	✓
- AFP 3.1 for Mac 9 and OS X	✓	✓	✓	✓	✓	✓	✓	✓	✓
- NFS v2/v3 for Linux/UNIX	✓	✓	✓	✓	✓	✓	✓	✓	✓
- HTTP and HTTPS for web browsers	✓	✓	✓	✓	✓	✓	✓	✓	✓
- FTP and FTPS	✓	✓	✓	✓	✓	✓	✓	✓	✓
- Rsync	✓	✓	✓	✓	✓	✓	✓	✓	✓
- WebDAV	✓	✓	✓	✓	✓	✓	✓	✓	✓
- ReadyNAS Remote™	✓	✓	✓	✓	✓	✓	✓	✓	✓
- Print sharing	✓	✓	✓	✓	✓	✓	✓	✓	✓

Media Streaming

- UPnP A/V	✓	✓	✓	✓	Optional	Optional	✓	✓	✓
- SqueezeCenter	✓	✓	✓	✓	Optional	Optional	✓	✓	✓
- Network DVD player compatible	✓	✓	✓	✓	Optional	Optional	✓	✓	✓
- Apple iTunes server	✓	✓	✓	✓	Optional	Optional	✓	✓	✓
- Sony PlayStation® 3	✓	✓	✓	✓	Optional	Optional	✓	✓	✓
- Microsoft® Xbox 360, MCE	✓	✓	✓	✓	Optional	Optional	✓	✓	✓
- Sonos Digital Music System	✓	✓	✓	✓	Optional	Optional	✓	✓	✓
- Netgear EVA8000 Digital Entertainer HD	✓	✓	✓	✓	✓	✓	✓	✓	✓

Network Security

- Selectable security modes		✓	✓	✓	✓	✓			✓
- Share security mode		✓			✓				✓
- User security mode	✓	✓	✓	✓	✓	✓	✓	✓	✓
- ADS/Domain security mode		✓	✓	✓	✓	✓		✓	✓
- Windows ACL	✓	✓	✓	✓	✓	✓	✓	✓	✓
- Encrypted network logins	✓	✓	✓	✓	✓	✓	✓	✓	✓
- Secure Sockets Layer (SSL)	✓	✓	✓	✓	✓	✓	✓	✓	✓

Network Options

- DHCP or static IP	✓	✓	✓	✓	✓	✓	✓	✓	✓
- NTP	✓	✓	✓	✓	✓	✓	✓	✓	✓
- WINS Server	✓	✓	✓	✓	✓	✓	✓	✓	✓
- DHCP Server	✓	✓	✓	✓	✓	✓	✓	✓	✓
- VLAN		✓	✓	✓	✓	✓	✓	✓	✓
- Wake-On-LAN			✓	✓	✓	✓	✓	✓	✓
- Teaming/Failover			✓	✓	✓	✓	✓	✓	✓

System Management

- RAIDar™ discovery and monitoring agent	✓	✓	✓	✓	✓	✓	✓	✓	✓
- Frontview™ Setup Wizard and Advanced Control	✓	✓	✓	✓	✓	✓	✓	✓	✓
- Configurable performance options	✓	✓	✓	✓	✓	✓	✓	✓	✓
- Device health status	✓	✓	✓	✓	✓	✓	✓	✓	✓
- Comprehensive enclosure and disk monitoring	✓	✓	✓	✓	✓	✓	✓	✓	✓
- Email alerts and event logs	✓	✓	✓	✓	✓	✓	✓	✓	✓
- Network UPS monitoring	✓	✓	✓	✓	✓	✓	✓	✓	✓
- SNMP		✓	✓	✓	✓	✓	✓	✓	✓
- SSH	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional

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Backup									
- Integrated Frontview™ Backup Manager	✓	✓	✓	✓	✓	✓	✓	✓	✓
- Programmable backup button	✓	✓	✓	✓	✓	✓	✓	✓	✓
- Backup from snapshot		✓	✓	✓	✓	✓	✓	✓	✓
- Backup over CIFS/NFS/FTP/HTTP & Rsync	✓	✓	✓	✓	✓	✓	✓	✓	✓
- Backup over Secure Rsync		✓	✓	✓	✓	✓	✓	✓	✓
- Backup to/from USB Disks	✓	✓	✓	✓	✓	✓	✓	✓	✓
- Built-in support for Time Machine	✓	✓	✓	✓	✓	✓	✓	✓	✓
- Syncing between multiple ReadyNAS devices	✓	✓	✓	✓	✓	✓	✓	✓	✓
- Full and incremental backups	✓	✓	✓	✓	✓	✓	✓	✓	✓
- System configuration backup and restore		✓	✓	✓	✓	✓	✓	✓	✓
- Built-in support for ReadyNAS Vault™	✓	✓	✓	✓	✓	✓	✓	✓	✓
- Multi-system cloning		✓	✓	✓	✓	✓	✓	✓	✓
Included Software									
- NTI Shadow for ReadyNAS (Windows/Mac)	✓	✓		✓				✓	✓
- Memeo AutoBackup Premium (Windows/Mac)			✓		✓		✓		
- ReadyNAS Photos	✓	✓	Optional	Optional	Optional		Optional	Optional	Optional
- Embedded BitTorrent client	✓	✓	Optional	Optional	Optional		Optional	Optional	Optional
USB Device Support									
- Hard disks and flash drives	✓	✓	✓	✓	✓	✓	✓	✓	✓
- Support for FAT32, Ext2, Ext3, and NTFS	✓	✓	✓	✓	✓	✓	✓	✓	✓
- Cameras	✓	✓	✓	✓	✓	✓	✓	✓	✓
- Printers	✓	✓	✓	✓	✓	✓	✓	✓	✓
- UPS	✓	✓	✓	✓	✓	✓	✓	✓	✓
Web Browsers Supported									
- Internet Explorer 7.0+	✓	✓	✓	✓	✓	✓	✓	✓	✓
- Safari 1.22+	✓	✓	✓	✓	✓	✓	✓	✓	✓
- Opera 9.0+	✓	✓	✓	✓	✓	✓	✓	✓	✓
- Firefox 2.0+	✓	✓	✓	✓	✓	✓	✓	✓	✓
Languages									
- Management UI: English, German, Japanese, Chinese, Korean, French	✓	✓	✓	✓	✓	✓	✓	✓	✓
- File Name: Unicode	✓	✓	✓	✓	✓	✓	✓	✓	✓
Electrical									
- Power Supply	External	200W	220W	250W	250W	2 x 700W	300W	300W	300W
- Redundant Power Supply						✓		✓	✓
- Input: 100-240V AC, 50/60 Hz	✓	✓	✓	✓	✓	✓	✓	✓	✓
Power									
- Typical (2 x 500GB for Duo 4 x 500GB for NV+/1100, 6 x 500GB for Pro, 4 x 1TB for NVX/2100, 6 x 1TB for 3200)	35W	55W	62W	76W	74W	170W	83W	83W	83W
- Disk spin-down	✓	✓	✓	✓	✓	✓	✓	✓	✓
- Power-on schedule	✓	✓	✓	✓	✓	✓	✓	✓	✓
- Auto-shutdown on UPS low-battery	✓	✓	✓	✓	✓	✓	✓	✓	✓
- Wake-On-LAN			✓		✓	✓	✓	✓	✓

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Thermal								
- Chassis cooling fan	60 mm	92 mm	92 mm	3 x Dual 40 mm	3 x Dual 40 mm	3 x 80 mm	120 mm	120 mm
- Fan failure alert	✓	✓	✓	✓	✓	✓	✓	✓
- High temperature alert with auto-shutdown option	✓	✓	✓	✓	✓	✓	✓	✓
Noise								
- Typical at 1 meter distance	25 dBA	31.5 dBA	31.5 dBA	50 dBA+	50 dBA+		25 dBA	25 dBA
Operating Environment								
- Temperature	0 - 35° C	0 - 40° C	0 - 40° C	0 - 40° C	0 - 40° C	0 - 40° C	0 - 40° C	0 - 40° C
- Humidity (non-condensing)	20% - 80%	20% - 80%	20% - 80%	20% - 80%	20% - 80%	20% - 80%	20% - 80%	20% - 80%
- FCC, CE, C-tick, KCC, VCCI, RoHS compliance	✓	✓	✓	✓	✓	✓	✓	✓
Warranty								
- Coverage	3 Years	5 Years	5 Years	5 Years	5 Years	5 Years	3 Years	5 Years

* Optional with a paid add-on. Add-on expected to be available Q4'09.

** 500GB drives used in NVX are non-enterprise drives.

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