

# ReadyNAS

## Business Product Line Comparison

	Pro 2	Pro 4	Pro 6	2100	3100	3200	4200
<b>Hardware</b>							
- CPU	Intel Atom Dual Core	Intel Atom Dual Core	Intel Dual Core Pentium 2.6GHz	Intel Embedded	Intel Multi-core	Intel Multi-core	Intel Multi-core
- Memory	1 GB	1 GB	1 GB	1 GB ECC	2 GB ECC	4 GB ECC	8 GB ECC
- Embedded flash memory for firmware	128 MB	128 MB	128 MB	128 MB	128 MB	128 MB	128 MB
- Form factor	Pedestal	Pedestal	Pedestal	1U Rackmount	1U Rackmount	2U Rackmount	2U Rackmount
- Serial ATA channels	2	4	6	4	4	12	12
- Hot-swappable disk trays	✓	✓	✓	✓	✓	✓	✓
- 10/100/1000 Ethernet ports	2	2	2	2	2	2	2
- 10 Gigabit Ethernet ports	-	-	-	-	-	-	2*
- USB 2.0 ports	2	3	3	3	3	2	2
- USB 3.0 ports	1						
- LCD/OLED display		LCD	OLED				
- Compatible with SATA I & II HDD	✓	✓	✓	✓	✓	✓	✓
- Native SATA II support	✓	✓	✓	✓	✓	✓	✓
- Enterprise SATA HDD on pre-populated systems	✓	✓	✓	✓	✓	✓	✓
- Desktop SATA HDD on pre-populated systems	✓	✓	✓	✓			
- Kensington latch	✓	✓	✓				
<b>RAID</b>							
- 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	✓	✓	✓	✓	✓	✓	✓
<b>Volumes</b>							
- Volume management	✓	✓	✓	✓	✓	✓	✓
- Single-volume auto-expansion (X-RAID/X-RAID2)	✓	✓	✓	✓	✓	✓	✓
- Journalled file system	✓	✓	✓	✓	✓	✓	✓
- Snapshot with scheduling	✓	✓	✓	✓	✓	✓	✓
- User and group-level quotas	✓	✓	✓	✓	✓	✓	✓
- Disk scrubbing	✓	✓	✓	✓	✓	✓	✓
- Background volume check	✓	✓	✓	✓	✓	✓	✓
- iSCSI target with expansion support	✓	✓	✓	✓	✓	✓	✓



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<b>Hardware</b>							
<b>Backup</b>							
- 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	✓	✓	✓	✓	✓	✓	✓
- ReadyNAS Replicate™	Optional	Optional	Optional	Optional	Optional	Optional	Optional
<b>USB Device Support</b>							
- Hard disks and flash drives	✓	✓	✓	✓	✓	✓	✓
- Support for FAT32, Ext2, Ext3, and NTFS	✓	✓	✓	✓	✓	✓	✓
- Cameras	✓	✓	✓	✓	✓	✓	✓
- Printers	✓	✓	✓	✓	✓	✓	✓
- UPS	✓	✓	✓	✓	✓	✓	✓
<b>Web Browsers Supported</b>							
- Internet Explorer 8.0+	✓	✓	✓	✓	✓	✓	✓
- Safari 4.0+	✓	✓	✓	✓	✓	✓	✓
- Opera 10.0+	✓	✓	✓	✓	✓	✓	✓
- Firefox 3.0+	✓	✓	✓	✓	✓	✓	✓
<b>Languages</b>							
- Management UI: English, German, Japanese, Chinese, Korean, French, Swedish, Dutch, Italian, Spanish, Polish, Russian, Czech, Portuguese	✓	✓	✓	✓	✓	✓	✓
- File Name: Unicode	✓	✓	✓	✓	✓	✓	✓
<b>Electrical</b>							
- Power Supply	External 60W	120W	300W	250W	2 x 450W	2 x 700W	2 x 700W
- Redundant Power Supply					✓	✓	✓
- Input: 100-240V AC, 50/60 Hz	✓	✓	✓	✓	✓	✓	✓
<b>Power</b>							
- Typical (6 x 500GB for Pro, 4 x 1TB for 2100/3100, 2/4/6 x 2TB for Pro 2/4/6, 6 x 1TB for 3200/4200)	35W	48W	82W	74W	150W	170W	170W
- Disk spin-down	✓	✓	✓				
- Power-on schedule	✓	✓	✓	✓	✓	✓	✓
- Auto-shutdown on UPS low-battery	✓	✓	✓	✓	✓	✓	✓
- Wake-On-LAN	✓	✓	✓	✓	✓	✓	✓

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<b>Hardware</b>							
<b>Thermal</b>							
- Chassis cooling fan	80 mm	92 mm	120 mm	3 x Dual 40 mm	3 x 80 mm	3 x 80 mm	3 x 80 mm
- Fan failure alert	✓	✓	✓	✓	✓	✓	✓
- High temperature alert with auto-shutdown option	✓	✓	✓	✓	✓	✓	✓
<b>Noise</b>							
- Typical at 1 meter distance	25 dBA	31.5	25 dBA	50 dBA+			
<b>Operating Environment</b>							
- Temperature	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%
- FCC, CE, C-tick, KCC, VCCI, RoHS compliance	✓	✓	✓	✓	✓	✓	✓
<b>Warranty</b>							
- Coverage (Diskless)	5 Years	5 Years	5 Years	5 Years	5 Years	5 Years	5 Years
- Coverage (Pre-populated Enterprise Drives)	5 Years	5 Years	5 Years	5 Years	5 Years	5 Years	5 Years
- Coverage (Pre-populated Desktop Drives)	3 Years	3 Years	3 Years	3 Years			

\* Optional dual SFP+ or CX-4 10G interfaces on the 4200