Synology DiskStation DS620slim 6-bay NAS

5394558

Specifications

Form factor	Desktop
Bays	6-bay
Compatible storage media	6.4 cm (2.5") SATA
Capacity	Optional
HDDs (built-in / max.)	0 / 6
RAID levels	0 1 10 5 6 JBOD
Connectors	2 x Gigabit Ethernet
Interface	2 x USB 3.0
Processor model	Intel Celeron J3355, 2.0 GHz
RAM	2 GB
RAM type	DDR3L
RAM modules (built in / max.)	2 / 2
RAM (max.)	6 GB
iSCSI	Yes
Security	Hardware encryption Kensington standard slot
Special features	Hot-swap HDD bay
Features	Antivirus Mail server Network-attached storage (NAS) Snapshot Surveillance station VPN server Virtualisation
Power supply	External
Effective power (W)	65 W
Includes	2 x Ethernet cable Power cable Power supply 2 x camera licence
Dimensions (W x H x D)	151 x 121 x 175 mm
Weight	1.4 kg
Product type	NAS

Product details

Do you need a secure, efficient way to store your data? Buy the DS620SLIM desktop NAS from Synology. This DS620SLIM NAS (network-attached storage) device, unlike the usual external hard drives, can be integrated directly to your network. It also requires significantly less power than regular PCs and offers you over enough space for all your data. The desktop NAS device and is equipped with an Intel Celeron J3355 2.0 GHz processor. With this model's 2 GB of RAM several users can access its data at the same time. You can incorporate the following data storage forms in this desktop NAS system: 0, 1, 10, 5, 6 and JBOD. When using JBOD (or "just a bunch of

disks") you can combine several hard drives, regardless of their storage capacity, and retain all of the storage space. This is not the case with RAID levels.
RAID 0 stores your data on multiple drives, which increases performance and speed as all work is split among the various drives rather than handled by just one. The drives should ideally have equal storage capacities and a minimum of two drives are required. This RAID level offers no fault tolerance and is therefore best suited for large volumes of high speed storage. RAID 1 offers you high data security through data mirroring. A replica is created of all your data from one drive to another, meaning if one crashes you will still retain all of your information. This also means that the capacity of all your drives is halved because of duplicated content. For smaller NAS systems RAID 1 is an ideal option. When using RAID 5 your data is split among multiple drives and when one drive has an error the data is then copied and distributed to the other drives. This method offers you high data security and you can retain the total storage capacity of all your drives. It's the optimal choice for larger NAS systems with more than three hard drives. You get a higher level of data security when implementing RAID 6, even if two hard drives fail, the system will still be operational.
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