Synology DiskStation DS620SLIM NAS/storage server

Artikel	115710
Herstellernummer	DS620SLIM
EAN	4711174723164
Synology	

Mini Private Server Combining Performance and Style

DS620slim is a mini 6-bay NAS with a stylish chassis design, perfectly blending in modern workplaces or apartments. Supporting near-instantaneous snapshot technology and real-time 4K video transcoding, DS620slim is an all-around file management solution that fulfills professionals' needs of advanced data protection and high-quality media streaming.

Remain classic while shrinking footprint
The mini 6-bay design keeps DS620slim classic and saves deployment space. With six 2.5" drive support, DS620slim is able to boost performance by installing SSDs.

Compact Design
Mini design with the dimensions of 121 x 151 x 175 mm, flexible to fit in anywhere

RAID Flexibility
Flexible in a variety of RAID configurations to realize maximum 30TB raw capacity or better data protection with RAID 5/6/10

SSD Cache Support
Further enhance storage performance with SSD read/write cache while still having abundant drive bays for data storage

Btrfs: Next generation storage efficiency
Btrfs file system introduces the most advanced storage technologies to meet the management needs of modern large scale businesses:
 Flexible Shared Folder/User Quota System provides comprehensive quota control on all user accounts and shared folders
 Snapshot Replication provides schedulable and storage capacity-saving data protection with 1,024 shared folder backups and 65,000 system-wide snapshots
 File or folder level data restoration makes data recovery fast and flexible
Automatic file self-healing detects and recovers corrupted files without user intervention
Learn more about the benefits of using Btrfs

Ultimate file management and sharing
File Station is a web-based, fast and secure management tool built to allow easy, drag-and-drop operations without requiring any complex setup on Mac or PC. Advanced search and filtering tools allow for easy organization and file sharing. For complete compatibility, DS620slim supports the following protocols: AFP, FTP, iSCSI, NFS, SMB, and WebDAV.

Synchronize files across your devices
Cloud Station Suite provides real-time data synchronization across all your devices and other Synology NAS. "Intelliversioning" keeps the most important file versions to better utilize storage space.

4K Multimedia Server

Access and stream your 4K media content anytime and anywhere. DS620slim supports 4K H.264/H.265 online transcoding via Video Station and DS video, allowing 4K videos to be converted and played on the fly on other computers, smartphones, and media players that originally do not support Ultra HD formats.

Zusammenfassung

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DS620slim is a mini 6-bay NAS with a stylish chassis design, perfectly blending in modern workplaces or apartments. Supporting near-instantaneous snapshot technology and real-time 4K video transcoding, DS620slim is an all-around file management solution that fulfills professionals' needs of advanced data protection and high-quality media streaming.

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Synology DiskStation DS620SLIM, NAS, Desktop, Intel® Celeron®, J3355, Black

Synology DiskStation DS620SLIM. Supported storage drive types: HDD & SSD, Maximum supported storage capacity: 108 TB, RAID levels: 0, 1, 5, 6, 10, JBOD. Processor family: Intel® Celeron®, Processor manufacturer: Intel, Processor model: J3355. Internal memory: 2 GB, Internal memory type: DDR3L, Maximum RAM supported: 6 GB. Ethernet LAN data rates: 10,100,1000 Mbit/s, Supported network protocols: CIFS, AFP, NFS, FTP, WebDAV. On-board graphics card base frequency: 250 MHz, On-board graphics card burst frequency: 700 MHz, Maximum on-board graphics card memory: 8 GB

Merkmale

Weight & dimensions

Logistics data

Harmonized System (HS) code	84714100

Other features

Processor ARK ID	95597

Software

Operating system installed	DiskStation Manager

Packaging content

Cables included	AC, LAN (RJ-45)
Quick start guide	Y

Operational conditions

Operating temperature (T-T)	5 - 40 °C
Storage temperature (T-T)	-20 - 60 °C
Storage relative humidity (H-H)	5 - 95%

Ports & interfaces

USB port	Y
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity	2
Ethernet LAN (RJ-45) ports	2

Graphics

On-board graphics card base frequency	250 MHz
On-board graphics card burst frequency	700 MHz
Maximum on-board graphics card memory	8 GB
Number of displays supported (on-board graphics)	3

Memory

Internal memory type	DDR3L
Maximum RAM supported	6 GB
Memory slots	2
Internal memory	2 GB

Design

Width	151 mm
Depth	175 mm
Height	121 mm
Weight	1.4 kg

Chassis type	Desktop
Cooling type	Active
Product colour	Black
Number of fans	1 fan(s)
Fan diameter	8 cm
LED indicators	Y

Network

Ethernet LAN	Y
Ethernet LAN data rates	10,100,1000 Mbit/s
Wi-Fi	N
iSCSI support	Y
Wake-on-LAN ready	Y
Supported network protocols	CIFS, AFP, NFS, FTP, WebDAV

Performance

Type	NAS
Device class	Small & Medium Business
Backup function	Y
Multilingual support	Y
Number of users	1000 user(s)
Noise level	20.5 dB

Power

Power supply location	Built-in
Power supply unit (PSU) capacity	65 W
Number of power supply units	1
Power consumption (typical)	34.88 W
AC input voltage	100 - 240 V
AC input frequency	50 - 60 Hz

Storage

Maximum supported storage capacity	108 TB
RAID support	Y
RAID levels	0, 1, 5, 6, 10, JBOD
Hot-swap drive bays	Y
Supported file systems	BTRFS, Fat, HFS+, NTFS, exFAT, ext3, ext4
Storage drives installed	N
Number of storage drives supported	6
Installed storage drive type	N
Supported storage drive types	HDD & SSD

Processor

Processor manufacturer	Intel
Processor family	Intel® Celeron®
Processor model	J3355
Processor frequency	2 GHz
Processor boost frequency	2.5 GHz
Processor cores	2
Processor threads	2
Processor cache	2 MB
CPU configuration (max)	1
PCI Express configurations	1x2+2x1, 4x1
PCI Express slots version	2.0
Processor cache type	Smart Cache
Processor code	SR2Z8
Processor codename	Apollo Lake
Processor lithography	14 nm
Processor operating modes	64-bit
Processor package size	24 x 31 mm
Processor socket	BGA 1296
Stepping	B1
System bus rate	5 GT/s
Tjunction	105 °C
Thermal Design Power (TDP)	10 W
On-board graphics card model	Intel® HD Graphics 500
Maximum internal memory supported by processor	8 GB
Conflict-Free processor	Y

Processor special features

Embedded options available	Y
Enhanced Intel SpeedStep Technology	Y
Execute Disable Bit	Y
Idle States	Y
Intel 64	Y
Intel Clear Video Technology	Y
Intel Enhanced Halt State	Y
Intel Identity Protection Technology version	1.00
Intel Rapid Storage Technology	N
Intel Secure Boot	Y
Intel Secure Boot Technology version	1.00
Intel Secure Key Technology version	1.00
Intel Small Business Advantage (SBA) version	0.00
Intel Smart Connect Technology	N
Intel Smart Connect Technology version	0.00
Intel Smart Response Technology version	0.00
Intel Stable Image Platform Program (SIPP)	N
Intel Stable Image Platform Program (SIPP) version	0.00
Intel Trusted Execution Technology	N
Intel Virtualization Technology (VT-x)	Y
Intel Virtualization Technology for Directed I/O (VT-d)	Y
Intel VT-x with Extended Page Tables (EPT)	Y

Intel® AES New Instructions (Intel® AES-NI)	Y
Intel® Anti-Theft Technology (Intel® AT)	N
Intel® Clear Video HD Technology (Intel® CVT HD)	Y
Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	Y
Intel® High Definition Audio (Intel® HD Audio)	Y
Intel® Hyper Threading Technology (Intel® HT Technology)	N
Intel® Identity Protection Technology (Intel® IPT)	Y
Intel® Insider™	N
Intel® InTru™ 3D Technology	N
Intel® OS Guard	N
Intel® Quick Sync Video Technology	Y
Intel® Secure Key	Y
Intel® Small Business Advantage (Intel® SBA)	N
Intel® Smart Response Technology	N
Intel® Turbo Boost Technology	N
Intel® Wireless Display (Intel® WiDi)	N
Maximum number of PCI Express lanes	6
Number of execution units	12
Thermal Monitoring Technologies	Y
UART	Y
Memory types supported by processor	DDR3L, LPDDR3-SDRAM, LPDDR4-SDRAM