

QNAP NAS Dedicated SSD

New Products
Shipping scheduled
to start soon

**SATA Gen3(6Gbps)
2.5inch SSD**

S200K Series

Hagihara Solutions' industrial SSDs continue to be chosen
Its track record and reliability are reflected in its “enterprise SSDs.”



QNAP's recommended devices

The S200K series is listed on the “Compatibility List” web page published by QNAP.

[Compatibility List" Web page](#)



Features

- Industrial grade, high reliability, high power failure tolerance, low failure rate
- Large capacity 7,680GB (8TB) lineup
- Sequential read/write performance of 500MB/s or higher (except 480GB write)
- Random Read/Write performance is also 92,000/20,000 IOPS or higher
- RoHS/CE/FCC/VCCI/UKCA compliant

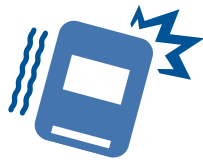
Product Model Number

Capacity	Product Model No	Standard Price
480GB	S200K2-480GTL00N	OPEN
960GB	S200K2-960GTL00N	OPEN
1,920GB	S200K2-1920TL00N	OPEN
3,840GB	S200K2-3840TL00N	OPEN
7,680GB	S200K2-7680TL00N	OPEN

Advantages of using SSD instead of HDD



High speed response & transfer rate



Highly resistant to vibration and shock



Compact and quiet



Low power consumption

SSD is better than HDD for these applications/Key words for SSD

Large-scale file server
(500 to 1,000 users or more)

Direct editing of data stored on NAS
(CAD, video editing)

Virtual infrastructure storage

Overview Specifications

Capacity		480 GB	960 GB	1,920 GB	3,840 GB	7,680 GB
Interface		SATA Gen3 (6Gbps)				
DRAM		-				
NAND		3D NAND / TLC				
P/E Cycle		3,000				
Performance	Sequential Read	530 MB/s	530 MB/s	530 MB/s	530 MB/s	530 MB/s
	Sequential Write	360 MB/s	500 MB/s	500 MB/s	500 MB/s	500 MB/s
	Random Read 4KB	92,000 IOPS	98,000 IOPS	98,000 IOPS	98,000 IOPS	97,000 IOPS
	Random Write 4KB	20,000 IOPS	33,000 IOPS	40,000 IOPS	30,000 IOPS	23,000 IOPS
Functions		• Error Correction Code (ECC) • Wear Leveling • TRIM • S.M.A.R.T. • Thermal Throttling • Secure Erase • Read Refresh • Page Mapping Method • NCQ support • Temperature monitoring function				
Operating Temperature		0°C~70°C				
Storage Temperature		-40°C~85°C				
Compliance standards		CE / FCC / VCCI / UKCA				
Environmental specifications		RoHS directive compliance				
TBW		876 TB	1,752 TB	3,504 TB	7,008 TB	14,016 TB
Consumption Current	Operating Read	540 mA	620 mA	620 mA	680 mA	760 mA
	Operating Write	420 mA	460 mA	480 mA	520 mA	560 mA
	Idle	260 mA	260 mA	280 mA	300 mA	320 mA
Uncorrectable Bit Error rate		< 1 error per 10 ¹⁷ bits read				
MTBF		2 million hours				
Dimension L x W x H		100.00 x 69.85 x 7.00 mm				



Hagiwara Solutions Europe GmbH (Elecom Group)

Address: Fritz-Vomfelde-Str. 34, 40547 Dusseldorf, Germany

Landline: +49 (0) 211 53883 311

Email: hagiwara_europe@hagisol.co.jp

Website: <https://www.hagisol.com/>

#Linkedin: <https://www.linkedin.com/company/hagiwara-solutions/>