








Plus Series







	RS2821RP+	RS2421+/RS2421RP+	RS1221+/RS1221RP+	RS820+/RS820RP+	RS422+
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Storage Systems

						
Performance <sup>(1)</sup>		Read: 2,216.74 MB/s Write: 1,463.34 MB/s	Read: 2,215.58 MB/s Write: 1,419.98 MB/s	Read: 2,322.90 MB/s Write: 1,453.64 MB/s	Read: 2,143.35 MB/s Write: 726.91 MB/s	Read: 601.21 MB/s Write: 516.84 MB/s
Processor		AMD® Ryzen® V-1500B 4-core, 2.2 GHz	AMD® Ryzen® V-1500B 4-core, 2.2 GHz	AMD® Ryzen® V-1500B 4-core, 2.2 GHz	Intel® Atom® C-3538 4-core, 2.1 GHz	AMD® Ryzen® R1600 2-core, 2.6 GHz
Memory/Max. Memory		4 GB DDR4 ECC, up to 32 GB	4 GB DDR4 ECC, up to 32 GB	4 GB DDR4 ECC	2 GB DDR4, up to 18 GB <sup>(7)</sup>	2 GB DDR4 ECC
Compatible Drive Types <sup>(2)</sup>		SATA LFF/SFF	SATA LFF/SFF	SATA LFF/SFF	SATA LFF/SFF	SATA LFF/SFF
Internal Bays/Max. Bays <sup>(3)</sup>		16/28 <sup>(13)</sup>	12/24 <sup>(13)</sup>	8/12 <sup>(16)</sup>	4/8 <sup>(16)</sup>	4
Dedicated SSD Cache Slots		-	-	-	-	-
External Ports		2 x USB 3.2 Gen 1 1 x Expansion port	2 x USB 3.2 Gen 1 1 x Expansion port	2 x USB 3.2 Gen 1 1 x Expansion port	2 x USB 3.2 Gen 1 1 x Expansion port	1 x USB 3.2 Gen 1
PCIe Slots <sup>(4)</sup>		1 x PCIe Gen 3 x8	1 x PCIe Gen 3 x8	1 x PCIe Gen 3 x8	1 x PCIe Gen 3 x8	1 x Network upgrade slot
Network Ports		4 x 1GbE	4 x 1GbE	4 x 1GbE	4 x 1GbE	2 x 1GbE
Supported File Systems (Internal Drives)		Btrfs, ext4	Btrfs, ext4	Btrfs, ext4	Btrfs, ext4	Btrfs, ext4
File/Network Protocols		SMB, AFP, NFS, WebDAV, FTP, iSCSI				
Supported RAID Types		Basic, JBOD, RAID 0/1/5/6/10, SHR				
File Sharing	Max. Number of User Accounts	2,048	2,048	2,048	2,048	2,048
	Max. Concurrent Connections (SMB, FTP, AFP)	1,000	1,000	1,000	500	500
Synology Surveillance Station	Max. IP Cameras <sup>(5)</sup>	40	40	40	40	40
	Total Frames Per Second (H.264)	1,200 FPS at 720p	1,200 FPS at 720p	1,200 FPS at 720p	1,200 FPS at 720p	1,200 FPS at 720p
Synology Productivity Suite	Max. Concurrent MailPlus Users	150	150	150	150	-
	Max. Synology Office Users	1,800	1,800	1,800	1,800	200
Power Consumption <sup>(6)</sup>	Access	97.54 W	RS2418+: 79.56 W; RS2418RP+: 91.76 W	RS1221+: 61.94 W; RS1221RP+: 61.94 W	RS820+: 37.94 W; RS820RP+: 38.88 W	37.93 W
	HDD Hibernation	49.57 W	RS2418+: 34.89 W; RS2418RP+: 48.21 W	RS1221+: 29.98 W; RS1221RP+: 29.98 W	RS820+: 20.96 W; RS820RP+: 22.17 W	13.43 W
Appearance	Dimensions (H x W x D)	132.3 x 482 x 656.5 mm	RS2418+: 88 x 482 x 552 mm RS2418RP+: 88 x 482 x 578 mm	RS1221+: 88 x 482 x 306.6 mm RS1221RP+: 88 x 482 x 407.5 mm	RS820+: 44 x 480 x 492.6 mm RS820RP+: 44 x 480 x 518.6 mm	44 x 478 x 327.5 mm
	Weight	17.1 kg	RS2418+: 11.5 kg; RS2418RP+: 11.9 kg	RS1221+: 6.9 kg; RS1221RP+: 8.4 kg	RS820+: 6.4 kg; RS820RP+: 7.96 kg	4.38 kg
Warranty		3 years <sup>(17)</sup>	3 years <sup>(17)</sup>	3 years <sup>(17)</sup>	3 years <sup>(17)</sup>	3 years <sup>(17)</sup>

	FX2421	RXD1219sas	RX6022sas	RX1222sas	RX1217sas	RX1217/RX1217RP	RX418
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Expansion Units

								
Compatible Drive Types		SAS/SATA SFF	SAS LFF/ SFF	SAS LFF	SAS/SATA LFF/SFF	SAS/SATA LFF/ SFF	SATA LFF/ SFF	SATA LFF/ SFF
Internal Bays/Max. Bays <sup>(1)</sup>		24	12	60	12	12	12	4
Power Consumption <sup>(6)</sup>	Access	190.99 W	299.79 W	811.8 W	194.4 W	132.7 W	RX1217: 68.6 W RX1217RP: 71.32 W	23.26 W
	HDD Hibernation	80.97 W	-	231 W	82.56 W	89.3 W	RX1217: 27.45 W RX1217RP: 31.2 W	6.39 W
Volume Type		Host-dependent						
Appearance	Dimensions (H x W x D)	88 x 482 x 724 mm	88 x 482 x 724 mm	176 x 482 x 1020 mm	88 x 482 x 724 mm	88 x 482 x 724 mm	RX1217: 88 x 482 x 696 mm RX1217RP: 88 x 482 x 724 mm	44 x 480 x 325 mm
	Weight	14.5 kg	18.2 kg	33.9 kg	13.5 kg	18 kg	RX1217: 12.7 kg RX1217RP: 13.4 kg	4.28 kg
Warranty		5 years	5 years	5 years	5 years	5 years	5 years	3 years <sup>(17)</sup>

Note: Model specifications are subject to change without advance notice. Please refer to [www.synology.com](http://www.synology.com) for the latest information.

- (1) Sequential (64 KB) transfer performance. Tested using manual traffic balancing and Btrfs file system. Systems with 6 bays or above were tested using RAID 6. Actual performance may vary depending on workload, test equipment, and configuration. Please visit [www.synology.com/products/performance](http://www.synology.com/products/performance) for more information.
- (2) Compatible drive type refers to supported bus interfaces. See each model's [compatibility list](#) for supported drives.
- (3) Drives not included. Check our [compatibility list](#) for supported drives.
- (4) Please visit [www.synology.com](http://www.synology.com) for the most up-to-date information on lane count, slot width, and supported add-in cards.
- (5) Device licenses govern the amount of cameras that can be used. Each Synology NAS comes with 2 free device licenses, with additional licenses available for purchase. The DVA3221 comes standard with 8 free licenses.
- (6) Power consumption will vary according to drive models installed and any additional add-in-cards or upgrades. The provided values are for reference only.
- (7) RS820+/RS820RP+ does not support the ECC feature, regardless of whether the expansion memory is ECC or non-ECC.
- (8) Compatible with up to 2 x RX1217sas or 2 x FX2421.
- (9) Compatible with up to 7 x RX1217sas, 7 x RX2417sas, or 7 x RX1222sas.
- (10) Compatible with up to 2 x RXD1219sas.
- (11) Compatible with up to 4 x RX6022sas.
- (12) Compatible with up to 2 x RX1217/RX1217RP.

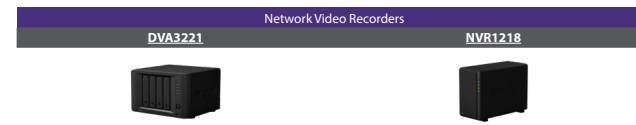
- (13) Compatible with up to 1 x RX1217/RX1217RP.
- (14) Fibre Channel protocol is supported.
- (15) MailPlus and MailPlus Server 2.2 or new versions are available on SA3200D.
- (16) Compatible with up to 1 x RX418.
- (17) See [Extended Warranty](#) or [Extended Warranty Plus](#) for more information and eligibility.





Storage Systems

	D5420j	D5220j	D5120j
Performance <sup>(1)</sup>	Read: 112.93 MB/s Write: 112.66 MB/s	Read: 112.96 MB/s Write: 112.94 MB/s	Read: 113.19 MB/s Write: 110.37 MB/s
Processor	Realtek® RTD1296 4-core, 1.4 GHz	Realtek® RTD1296 4-core, 1.4 GHz	Marvell® A3720 2-core, 800MHz
Memory/Max. Memory	1 GB DDR4	512 MB DDR4	512 MB DDR3
Compatible Drive Types <sup>(2)</sup>	SATA LFF/SFF	SATA LFF	SATA LFF
Internal Bays/Max. Bays <sup>(3)</sup>	4	2	1
Dedicated SSD Cache Slots	-	-	-
External Ports	2 x USB 3.2 Gen 1	2 x USB 3.2 Gen 1	2 x USB 2.0
PCIe Slots <sup>(4)</sup>	-	-	-
Network Ports	1 x 1GbE	1 x 1GbE	1 x 1GbE
Supported File Systems (Internal Drives)	ext4	ext4	ext4
File/Network Protocols	SMB, AFP, NFS, WebDAV, FTP, iSCSI		
Supported RAID Types	Basic, JBOD, RAID 0/1/5/6/10, SHR	Basic, JBOD, RAID 0/1, SHR	Basic
File Sharing	Max. Number of User Accounts	1,024	512
	Max. Concurrent Connections (SMB, FTP, AFP)	100	50
Synology Surveillance Station	Max. IP Cameras <sup>(5)</sup>	16	5
	Total Frames Per Second (H.264)	480 FPS at 720p	360 FPS at 720p
Synology Productivity Suite	Max. Concurrent MailPlus Users	-	-
	Max. Synology Office Users	200	200
Power Consumption <sup>(6)</sup>	Access	21.71 W	9.81 W
	HDD Hibernation	7.88 W	5.06 W
Appearance	Dimensions (H x W x D)	184 x 168 x 230 mm	166 x 71 x 224 mm
	Weight	2.21 kg	0.7 kg
Warranty	2 years		



Storage Systems

	DVA3221	NVR1218
Dedicated Accelerator	NVIDIA GeForce® GTX 1650	-
Processor	Intel® C3538 4-core, 2.1 GHz	Embedded NVR SoC 2-core, 1.0 GHz
Memory/Max. Memory	8 GB DDR4, up to 32 GB	1 GB DDR3
Compatible Drive Type <sup>(2)</sup>	SATA LFF/SFF	SATA LFF/SFF
Internal Bays/Max. Bays <sup>(3)</sup>	4/14	2/7
Dedicated SSD Cache Slots	-	-
External Ports	3 x USB 3.2 Gen 1; 2 x Expansion ports; 1 x COM port	1 x USB 3.2 Gen 1; 2 x USB 2.0; 1 x Expansion port; 1 x HDMI; 2 x Audio jacks
PCIe Slots <sup>(4)</sup>	-	-
Network Ports	4 x 1GbE	1 x 1GbE
Supported File Systems (Internal Drives)	Btrfs, ext4	ext4
File/Network Protocols	SMB, AFP, NFS, WebDAV, FTP, iSCSI	
Supported RAID Types	Basic, JBOD, RAID 0/1/5/6/10, SHR	Basic, JBOD, RAID 0/1/5/6/10, SHR <sup>(12)</sup>
File Sharing	Max. Number of User Accounts	2,048
	Max. Concurrent Connections (SMB, FTP, AFP)	2,000
Synology Surveillance Station	Max. IP Cameras <sup>(5)</sup>	32
	Total Frames Per Second (H.264)	960 FPS at 720p
Power Consumption <sup>(6)</sup>	Access	43.92 W
	HDD Hibernation	28.43 W
Appearance	Dimensions (H x W x D)	166 x 250 x 237 mm
	Weight	4.92 kg
Warranty	3 years	



Expansion Units

	DX1222	DX517
Compatible Drive Types <sup>(2)</sup>	SATA LFF/SFF	SATA LFF/ SFF
Internal Bays/Max. Bays <sup>(3)</sup>	12	5
Power Consumption <sup>(6)</sup>	Access	57.71 W
	HDD Hibernation	16.25 W
Volume Type	Host-dependent	
Appearance	Dimensions (H x W x D)	270 x 300 x 340 mm
	Weight	9.02 kg
Warranty	5 years	

Note: Model specifications are subject to change without advance notice. Please refer to [www.synology.com](http://www.synology.com) for the latest information.

- (1) Sequential (64 KB) transfer performance. Tested using manual traffic balancing and Btrfs file system. Systems with 6 bays or above were tested using RAID 6. Actual performance may vary depending on workload, test equipment, and configuration. Please visit [www.synology.com/products/performance](http://www.synology.com/products/performance) for more information.
- (2) Compatible drive type refers to supported bus interfaces. See each model's [compatibility list](#) for supported drives.
- (3) Drives not included. Check our [compatibility list](#) for supported drives.
- (4) Please visit [www.synology.com](http://www.synology.com) for the most up-to-date information on lane count, slot width, and supported add-in cards.
- (5) Device licenses govern the amount of cameras that can be used. Each Synology NAS comes with 2 free device licenses, with additional licenses available for purchase. The DVA3221 comes standard with 8 free licenses.
- (6) Power consumption will vary according to drive models installed and any additional add-in-cards or upgrades. The provided values are for reference only.
- (7) Compatible with up to 2 x DX1222.
- (8) Compatible with up to 2 x DX517.
- (9) Compatible with up to 1 x DX1222.
- (10) Compatible with up to 1 x DX517.
- (11) Fibre Channel protocol is supported.
- (12) Supports RAID 5/6/10 and Global Hot Spare only when a DX517 Expansion Unit is connected.

(13) See [Extended Warranty](#) or [Extended Warranty Plus](#) for more information and eligibility.

	RT6600ax	RT2600ac	MR2200ac
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Synology Routers



		RT6600ax	RT2600ac	MR2200ac
CPU Frequency		4-core 1.8 GHz	2-core 1.7 GHz	4-core 717 MHz
RAM		1 GB DDR3L	512 MB DDR3L	256 MB DDR3L
Layer 4 & 7 Traffic Control Hardware Acceleration		Yes	Yes	-
Wi-Fi Connectivity	Wi-Fi Generation	Wi-Fi 6	Wi-Fi 5	Wi-Fi 5
	Wireless Standards	IEEE 802.11ax Simultaneous tri-band Wi-Fi	IEEE 802.11ac Simultaneous 2-band Wi-Fi	IEEE 802.11ac Simultaneous tri-band Wi-Fi
	5GHz - 1	802.11 a/n/ac/ax, 4,800Mbps	802.11 a/n/ac, 800Mbps + 1.73Gbps	802.11 a/n/ac, 400Mbps + 867Mbps x 2
	5GHz - 2	802.11 a/n/ac/ax, 1,200Mbps	-	-
	2.4GHz - 1	802.11 b/g/n/ax, 600Mbps	802.11 b/g/n, 800Mbps + 1.73Gbps	802.11 b/g/n, 400Mbps + 867Mbps x 2
Wi-Fi Security		WPA/WPA2-Personal, WPA/WPA2-Enterprise, WPA2/WPA3-Personal, WPA3-Personal/Enterprise, OWE	64/128-bit WEP, WPA/WPA2-Personal/Enterprise, WPA2/ WPA3-Personal, WPA3-Personal/Enterprise, OWE	
Roaming		802.11k/v/r support	802.11k/v/r support	802.11k/v/r support
Max. Connected Devices <sup>(1)</sup>		200	100	90
Recommended Max. Number of Wi-Fi Points		1 Primary + 6 Wi-Fi points <sup>(3)</sup> 1 Primary + 12 Wi-Fi points <sup>(4)</sup>		
Networking	LAN	3 x 1GbE (2 WAN) 1 x 2.5GbE	4 x 1GbE 3 x 1GbE (2 WAN)	1 x 1GbE
	WAN	1 x 1GbE 1 x 2.5GbE (2 WAN)	1 x 1GbE 2 x 1GbE (2 WAN)	1 x 1GbE
External Ports		1 x USB 3.2 Gen 1	1 x USB 3.2 Gen 1 1 x USB 2.0 1 x SD Card	1 x USB 3.2 Gen 1
Power Consumption <sup>(2)</sup>	Access	11.11 W	10.80 W	12.95 W
	HDD Hibernation	6.77 W	7.94 W	5.21 W
Appearance	Dimensions (H x W x D)	175 x 320 x 200 mm (antennas in upright position)	77 x 280 x 169 mm (without antennas)	154 x 199 x 65 mm
	Weight	1.6 kg	0.695 kg	0.45 kg
Warranty		2 years	2 years	2 years

Note: Model specifications are subject to change without advance notice. Please refer to [www.synology.com](http://www.synology.com) for the latest information.

- (1) Based on Synology internal testing. While more clients are supported, the performance of connected devices will vary depending on the network environment, client bandwidth demands, and settings.
- (2) Power consumption will vary according to drive models installed and any additional add-in-cards or upgrades. The provided values are for reference only.
- (3) In an all-wireless uplink connection environment.
- (4) In an all-wired uplink connection environment.

NVMe SSD

SNV3410-400G	SNV3510-400G	SNV3510-800G	SNV3400-800G
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Storage & Add-ons



Capacity		400 GB		800 GB		800 GB	
Form factor		M.2 2280		M.2 22110		M.2 2280	
Interface		NVMe PCIe 3.0 x4					
Performance	Sequential Read (128 KB, QD32) <sup>(1)</sup>	3,000 MB/s		3,100 MB/s			
	Sequential Write (128 KB, QD32) <sup>(1)</sup>	750 MB/s		1,000 MB/s		1,000 MB/s	
	Random Read (4 KB, QD256) <sup>(1)</sup>	225,000 IOPS		400,000 IOPS		375,000 IOPS	
	Random Write (4 KB, QD256) <sup>(1)</sup>	45,000 IOPS		70,000 IOPS		70,000 IOPS	
Endurance and Reliability	Terabytes Written (TBW) <sup>(2)</sup>	491 TB		1,022 TB		988 TB	
	Mean Time Between Failures (MTBF)	1.8 million hours					
	Uncorrectable Bit Error Rates (UBER)	< 1 sector per 10 <sup>17</sup> bits read					
	Power Loss Protection	-		Yes <sup>(4)</sup>		Yes <sup>(4)</sup>	
Warranty <sup>(3)</sup>		5 years					
Power Consumption	Supply Voltage			3.3 V (± 5%)			
	Active Read (Typ.)	3.5 W		4.0 W		4.5 W	
	Active Write (Typ.)	3.3 W		3.6 W		4.5 W	
	Idle	1.6 W		1.7 W		2.0 W	
Temperature	Operating Temperature	0°C to 70°C (32°F to 158°F)					
	Storage Temperature	-40°C to 85°C (-40°F to 185°F)					
Others	Dimensions (H x W x D)	3.5 x 22 x 80 mm		4.5 x 22 x 110 mm		3.5 x 22 x 80 mm	
	Certifications	FCC, CE, EAC, BSMI, VCCI, RCM, KC, RoHS, UKCA					

SATA SSD

SAT5210 - 480G	SAT5210 - 960G	SAT5210 - 1920G	SAT5210 - 3840G
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Storage & Add-ons



Capacity		480 GB		960 GB		1.92 TB		3.84 TB	
Form factor		2.5" 7mm							
Interface		SATA 6 Gb/s							
Performance	Sequential Read (128 KB, QD32) <sup>(1)</sup>			530 MB/s					
	Sequential Write (128 KB, QD32) <sup>(1)</sup>			500 MB/s					
	Random Read (4 KB, QD256) <sup>(1)</sup>	96,000 IOPS				98,000 IOPS			
	Random Write (4 KB, QD256) <sup>(1)</sup>	55,000 IOPS		67,000 IOPS				60,000 IOPS	
Endurance and Reliability	Terabytes Written (TBW) <sup>(2)</sup>	1,097 TB		2,194 TB		4,800 TB		8,533 TB	
	Mean Time Between Failures (MTBF)	1.5 million hours							
	Uncorrectable Bit Error Rates (UBER)	< 1 sector per 10 <sup>17</sup> bits read							
	Power Loss Protection	Yes							
Warranty <sup>(3)</sup>		5 years							
Power Consumption	Supply Voltage	5 V (± 5%)							
	Active Read (Typ.)	2.4 W		2.7 W				2.8 W	
	Active Write (Typ.)			2.8 W				3.3 W	
	Idle	1.3 W				1.4 W			
Temperature	Operating Temperature	0°C to 70°C (32°F to 158°F)							
	Storage Temperature	-40°C to 85°C (-40°F to 185°F)							
Others	Dimensions (H x W x D)	7 x 69.85 x 100 mm							
	Certifications	FCC, CE, EAC, BSMI, VCCI, RCM, KC, RoHS, UKCA							

Note: Model specifications are subject to change without advance notice. Please refer to [www.synology.com](http://www.synology.com) for the latest information. Check our [compatibility list](#) for supported devices.

- (1) Performance measured using FIO on Linux with Queue Depth 32/256 (128 KB = 131,072 bytes; 4 KB = 4,096 bytes).
- (2) The endurance rating is calculated based on JE5219A enterprise workload.
- (3) 5-year limited warranty provides coverage until the end of the warranty period or until the endurance usage of the drive has been reached, whichever comes first.
- (4) Power loss protection circuit design is available on SNV3500 to further prevent data corruption in case of power failure.

		SATA HDD				SAS HDD		
		HAT5300-4T	HAT5300-8T	HAT5300-12T	HAT5300-16T	HAS5300-8T	HAS5300-12T	HAS5300-16T
Storage & Add-ons								
Capacity <sup>(1)</sup>		4 TB	8 TB	12 TB	16 TB	8 TB	12 TB	16 TB
Form Factor <sup>(2)</sup>						3.5"		
Interface		SATA 6 Gb/s				SAS 12 Gb/s		
Sector size		512e						
Performance						7,200 rpm		
						12.0 Gb/s, 6.0 Gb/s, 3.0 Gb/s, 1.5 Gb/s		
		6.0 Gb/s, 3.0 Gb/s, 1.5 Gb/s						
Buffer Size <sup>(3)</sup>		256 MiB			512 MiB	256 MiB		512 MiB
Maximum Sustained Data Transfer Speed (Typ.)		243 MiB/s	230 MiB/s	242 MiB/s	262 MiB/s	230 MiB/s	242 MiB/s	262 MiB/s
Reliability		2,000,000 hours		2,500,000 hours				
						550 TB Transferred per Year		
						5 years		
Power Consumption						12 V (± 10%)/5 V (+10/-7%)		
		4.07 W		6.38 W	4.25 W	4.00 W	6.62 W	4.36 W
		7.76 W		9.10 W	7.83 W	7.63 W	9.87 W	8.12 W
		9.10 W		7.83 W	7.63 W	9.87 W	7.80 W	8.12 W
Environmental						5°C to 60°C (41°F to 140°F)		
						-40°C to 70°C (-40°F to 158°F)		
						686 m/s <sup>2</sup> (70 G) (2 ms duration)		
		2,940 m/s <sup>2</sup> (300 G) (2 ms duration)		2,450 m/s <sup>2</sup> (250 G) (2 ms duration)				
						7.35 m/s <sup>2</sup> (0.75 G) (5 to 300Hz), 2.45 m/s <sup>2</sup> (0.25 G) (300 to 500 Hz)		
						29.4 m/s <sup>2</sup> (3.0 G) (5 to 500 Hz)		
						-305 m to 3,048 m		
						-305 m to 12,192 m		
						5% to 90% R.H. (No condensation)		
						5% to 95% R.H. (No condensation)		
Others						26.1 x 101.85 x 147 mm		
		693 g	770 g	720 g	770 g	720 g		720 g
		CE, EAC, BSMI, RCM, KC, ICES, UKCA, TUV, UL, RoHS						

Note: Model specifications are subject to change without advance notice. Please refer to [www.synology.com](http://www.synology.com) for the latest information. Check our [compatibility list](#) for supported devices.

- (1) Definition of capacity: Hard drives defines a terabyte (TB) as 1,000,000,000,000 bytes. A computer operating system, however, reports storage capacity using powers of 2 for the definition of 1GB = 2<sup>30</sup> = 1,073,741,824 bytes and therefore shows less storage capacity. Available storage capacity will vary based on file size, formatting, settings, software and operating system. Actual formatted capacity may vary.
- (2) "3.5-inch" is the form factor of HDDs. It does not indicate the drive's physical size.
- (3) A mebibyte (MiB) means 2<sup>20</sup> bytes, or 1,048,576 bytes. MB/s is 10<sup>6</sup> bytes.
- (4) Mean Time to Failure (MTTF) is not a guarantee or estimate of product life; it is a statistical value related to mean failure rates for a large number of products which may not accurately reflect actual operation. Actual operating life of the product may be different from the MTTF.
- (5) Workload is defined as the amount of data written, read, or verified by commands from host system.
- (6) The warranty period starts from the purchase date as stated on your receipt of purchase. Visit [www.synology.com/company/legal/warranty](http://www.synology.com/company/legal/warranty) for more information.
- (7) Input voltages are specified at the HDD connector side, during HDD ready state. Make sure the value is no less than -0.3 V DC (less than -0.6 V, 0.1 ms) when turning the power on or off.
- (8) Idle specification is based on the use of Idle-A.

	M2D20	E10M20-T1	E25G21-F2	E10G21-F2	E10G18-T2	E10G18-T1	E10G22-T1-Mini
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Add-in Cards

	Type	M.2 SSD Adapter Card	M.2 SSD & 10GbE Combo Adapter Card	Network Interface Card				Network Upgrade Module
	General	Host Bus Interface			PCIe 3.0 x8			PCIe 3.0 x4
Dimensions		71.75 x 181.9 x 15.8 mm	71.75 x 200.05 x 17.70 mm	69 x 168 x 17.3 mm	69 x 168 x 17.3 mm	170.6 x 68.9 x 13.6 mm	86.0 x 68.1 mx 13.6 mm	26.37 x 45.38 x 75.7 mm
Operating Temperature		0°C to 40°C (32°F to 104°F)						
Storage Temperature		-20°C to 60°C (-5°F to 140°F)						
Relative Humidity		5% to 95% RH						
Warranty <sup>(1)</sup>	5 years							3 years
Storage	Storage Interface	PCIe NVMe						-
	Supported Form Factor	22110/2280						-
	Connector	M-key						-
Network		2 slots						-
	Data Transfer Rates	-	10 Gbps	25 Gbps	10 Gbps	10 Gbps	10 Gbps	10/5/2.5/1 Gbps/100 Mbps
	Connector	-	RJ-45	SFP28	SFP+	RJ-45	RJ-45	RJ-45
	IEEE Specification Compliance	-	IEEE 802.3x Flow Control IEEE 802.3u Fast Ethernet IEEE 802.3ab Gigabit Ethernet IEEE 802.3bz 2.5Gbps/5Gbps Ethernet IEEE 802.3an 10Gbps Ethernet	IEEE 802.3ad Link Aggregation IEEE 802.3ae 10Gbps Ethernet IEEE 802.3by 25Gbps Ethernet	IEEE 802.3ad Link Aggregation IEEE 802.3ae 10Gbps Ethernet	IEEE 802.3x Flow Control IEEE 802.3ad Link Aggregation IEEE 802.3ab Gigabit Ethernet IEEE 802.3an 10Gbps Ethernet	IEEE 802.3x Flow Control IEEE 802.3u Fast Ethernet IEEE 802.3ab Gigabit Ethernet IEEE 802.3bz 2.5Gbps/5Gbps Ethernet IEEE 802.3an 10Gbps Ethernet	IEEE 802.3an 10GBASE-T 10 Gbps Ethernet IEEE 802.3bz NBASE-T 2.5/5 Gbps Ethernet IEEE 802.3ab 1000BASE-T 1 Gbps Ethernet IEEE 802.3u 100BASE-TX Fast Ethernet IEEE 802.3x Flow Control

Note: Model specifications are subject to change without advance notice. Please refer to [www.synology.com](http://www.synology.com) for the latest information. Check our [compatibility list](#) for supported devices.

(1) The warranty period starts from the purchase date as stated on your purchase receipt. Learn more at [www.synology.com/company/legal/warranty](http://www.synology.com/company/legal/warranty).