

Flash Drive Comparison Matrix



	datAshur BT	datAshur SD	datAshur PRO ²	datAshur PRO	datAshur PRO ² C	datAshur	datAshur Personal ²
Security							
Common Criteria EAL5+ secure microprocessor	-	✓	✓	-	-	-	-
AES-XTS 256-bit hardware encryption	✓	* ✓	✓	✓	✓	AES-CBC 256-bit	✓
FIPS PUB 197 certified	✓	✓	✓	✓	✓	✓	✓
Certifications	FIPS 140-2 Level 3 certified	FIPS 140-3 Level 3 (Pending)	FIPS 140-2 Level 3 certified	FIPS 140-2 Level 3, NLNCSA DEP-V & NATO Restricted Level	FIPS 140-3 Level 3 (Pending)	FIPS 140-2 Level 3 certified	-
Vulnerable to Key-loggers?	NO	NO	NO	NO	NO	NO	NO
Epoxy coating - physical security	✓	✓	✓	✓	✓	✓	✓
Immune to BadUSB	✓	✓	✓	✓	✓	✓	✓

* Can be configured in 3 encryption modes. AES-XTS, AES-CBC, AES-ECB.

Authentication method							
On-board keypad	-	8-64 digit PIN	7-15 digit PIN	7-15 digit PIN	8-15 digit PIN	7-15 digit PIN	7-15 digit PIN
Wireless via Mobile app (iOS/Android)	7-15 character password, Face ID/Facial recognition, Touch ID/Fingerprint and IRIS Scanning	-	-	-	-	-	-

Capacities¹							
	4 ² / 8 ² / 16 / 32 / 64 / 128GB	iStorage microSD Card: 32 / 64 / 128 / 256 / 512GB - 1TB	4 / 8 / 16 / 32 / 64 / 128 / 256 / 512GB	4 / 8 / 16 / 32 / 64 / 128 / 256GB	4 ² / 8 ² / 16 ² / 32 / 64 ² / 128 / 256 / 512GB	4 / 8 / 16GB	8 / 16 / 32 / 64GB

1. Some of the listed capacity is used for formatting and other functions and is thus not available for data storage. As such, the actual available capacity for data storage is less than what is listed on the products.
2. Special order - Contact iStorage for details.

Specifications							
Data transfer speeds ³	Read: 170MB/s Write: 130MB/s	Read: 100MB/s Write: 95MB/s	Read: 168MB/s Write: 128MB/s	Read: 170MB/s Write: 146MB/s	Read: 310MB/s Write: 246MB/s	Read: 27MB/s Write: 24MB/s	Read: 170MB/s Write: 133MB/s
Dimensions (mm)	60 x 18 x 7.7	87.2 x 19.9 x 13.5	87.4 x 19.4 x 13.4	80 x 20 x 10.5	80.1 x 20.25 x 10.7	80 x 20 x 10.5	83 x 17.4 x 8.6
Weight (grams)	16.5	34.4	37	25	25	25	20
Dust/Water resistant	IP57	IP68	IP68	IP57	IP68	IP57	-
Regulatory certifications & accreditations	FCC, UKCA, CE, WEEE, Protected Regulatory Compliance (C-tick), RoHs, Reach						
Warranty	3 year manufacturer warranty + free lifetime technical support						

3. Speed may vary due to host hardware, software, capacity and usage.

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	datAshur BT	datAshur SD	datAshur PRO ²	datAshur PRO	datAshur PRO C	datAshur	datAshur Personal ²
Features							
OS & platform independent (software free) - compatible with: MS Windows, macOS, Linux, Chrome, Thin Clients, Embedded Systems, Citrix and VMware	✓	✓	✓	✓	✓	✓	✓
Brute force protection	✓	✓	✓	✓	✓	✓	✓
Unattended auto-lock	✓	✓	✓	✓	✓	-	✓
Read only (write protect)	✓	✓	✓	✓	✓	-	✓
Supports User & Admin modes	✓	✓	✓	✓	✓	✓	✓
Self-destruct feature	-	✓	✓	-	-	-	-
Interface	USB 3.2 (Gen 1)	USB 3.2 (Gen 1)	USB 3.2 (Gen 1)	USB 3.2 (Gen 1)	USB 3.2 (Gen 1)	USB 2.0	USB 3.2 (Gen 1)
USB Type	Type-A	Type-C (USB Type-C to Type-A adapter included)	Type-A	Type-A	Type-C (USB Type-C to Type-A adapter included)	Type-A	Type-A
Wear resistant keypad	-	✓	✓	✓	✓	✓	✓
Step-away auto-lock	✓	-	-	-	-	-	-
Password recovery	✓	-	-	-	-	-	-
User remote wipe	✓	-	-	-	-	-	-
2 Factor Authentication (2FA)	✓	-	-	-	-	-	-
Optional add-on	iStorage DriveSecurity®, PIN configuration, Customisation						

Remote management via web console (subscription required)							
Management by users, drives, accounts	✓	-	-	-	-	-	-
Access log & account summary	✓	-	-	-	-	-	-
Geo-fencing (GPS based)	✓	-	-	-	-	-	-
Time-fencing	✓	-	-	-	-	-	-
Admin remote unlock	✓	-	-	-	-	-	-
Admin remote wipe	✓	-	-	-	-	-	-

External Drive Comparison Matrix



	diskAshur M ²	diskAshur ²	diskAshur PRO ²	diskAshur DT ²
Security				
Common Criteria EAL5+ secure microprocessor	✓	✓	✓	✓
AES-XTS 256-bit hardware encryption	✓	✓	✓	✓
FIPS PUB 197 certified	✓	✓	✓	✓
Certifications	FIPS 140-3 Level 3 (Pending)	BIS India certified	NCSC CPA, FIPS 140-2 Level 2 / Level 3, NLNCSA BSPA & NATO Restricted Level	NCSC CPA, FIPS 140-2 Level 2 / Level 3, NLNCSA BSPA & NATO Restricted Level
Vulnerable to Key-loggers?	NO	NO	NO	NO
Epoxy coating - physical security	✓	✓	✓	✓
Immune to BadUSB	✓	✓	✓	✓
Authentication method				
On-board keypad	7-15 digit PIN	7-15 digit PIN	7-15 digit PIN	7-15 digit PIN
Capacities¹				
	SSD: 240 / 500GB - 1 / 2TB	HDD: 500GB - 1 / 2 / 3 / 4 / 5TB SSD: 128 / 256 / 512GB - 1 / 2 / 4 / 8 / 16TB	HDD: 500GB - 1 / 2 / 3 / 4 / 5TB SSD: 128 / 256 / 512GB - 1 / 2 / 4 / 8 / 16TB	1 / 2 / 3 / 4 / 6 / 8 / 10 / 12 / 14 / 16 / 18 / 20 / 22 / 24TB
1. Some of the listed capacity is used for formatting and other functions and is thus not available for data storage. As such, the actual available capacity for data storage is less than what is listed on the products.				
Specifications				
Data transfer speeds ²	Read: 370MB/s Write: 370MB/s	HDD Read: 171MB/s Write: 148MB/s SSD Read: 362MB/s Write: 358MB/s	HDD Read: 171MB/s Write: 148MB/s SSD Read: 362MB/s Write: 358MB/s	Read: 286MB/s Write: 278MB/s
Dimensions (mm)	111 x 45 x 12	124 x 84 x 19 (HDD:500GB-2TB) 124 x 84 x 27 (HDD:3TB-5TB) 124 x 84 x 19 (SSD:128GB-8TB)	124 x 84 x 19 (HDD:500GB-2TB) 124 x 84 x 27 (HDD:3TB-5TB) 124 x 84 x 19 (SSD:128GB-8TB)	185.5 x 112 x 43.5
Weight (grams)	86	216 (HDD:500GB-2TB) 325 (HDD:3TB-5TB) 180 (SSD:128GB-8TB)	216 (HDD:500GB-2TB) 325 (HDD:3TB-5TB) 180 (SSD:128GB-8TB)	1238
Dust/Water resistant	IP68	IP56	IP56	-
Regulatory certifications & accreditations	FCC, UKCA, CE, WEEE, Protected Regulatory Compliance (C-tick), RoHs, TAA Compliant			
Warranty	3 year manufacturer warranty + free lifetime technical support			

2. Speed may vary due to host hardware, software, capacity and usage.

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Features				
OS & platform independent (software free) - compatible with: MS Windows, macOS, Linux, Chrome, Thin Clients, Embedded Systems, Citrix and VMware	✓	✓	✓	✓
Brute force protection	✓	✓	✓	✓
Unattended auto-lock	✓	✓	✓	✓
Read only (write protect)	✓	✓	✓	✓
Supports User & Admin modes	✓	✓	✓	✓
Self-destruct feature	✓	✓	✓	✓
Interface	USB 3.2 (Gen 1)	USB 3.2 (Gen 1)	USB 3.2 (Gen 1)	USB 3.2 (Gen 1)
USB Type	Type-Micro B to USB Type-A and Type-C	Type-A	Type-A	Type-A
Integrated USB cable	USB Type A & C cables included	✓	✓	✓
Desk lock slot	-	✓	✓	✓
Wear resistant keypad	✓	✓	✓	✓
Optional add-on	iStorage DriveSecurity®, PIN configuration, Customisation (selected product lines)			