

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 Compliant	FIPS 140-2 Level 3 certified	FIPS 140-2 Level 3, NLNCSA DEP-V & NATO Restricted Level	FIPS 140-3 Level 3 Validated	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	8GB	8 / 16 / 32 / 64GB

1. The listed capacities of the datAshur range include space used for formatting and system functions, reducing the actual available storage capacity.

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.

Flash Drive Comparison Matrix



datAshur BT datAshur SD datAshur PRO² datAshur PRO datAshur PRO C datAshur datAshur Personal²

Features	datAshur BT	datAshur SD	datAshur PRO ²	datAshur PRO	datAshur PRO C	datAshur	datAshur Personal ²
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	✓	-	-	-	-	-	-