iStorage®

Flash Drive Comparison Matrix

	datAshur Bluetooth®	datAshur PRO²	datAshur PRO	datAshur PRO+C	datAshur PRO+A	datAshur Personal²
Security						
Common Criteria EAL5+ secure microprocessor	-	✓	-	-	-	-
AES-XTS 256-bit hardware encryption	✓	✓	✓	✓	✓	✓
FIPS PUB 197 certified	✓	✓	✓	✓	✓	✓
Certifications	FIPS 140-2 Level 3 certified	FIPS 140-2 Level 3 certified	FIPS 140-2 Level 3, NLNCSA DEP-V & NATO Restricted Level	FIPS 140-3 Level 3 Validated, NLNCSA BSPA	FIPS 140-3 Level 3 Validated, NLNCSA BSPA	-
Vulnerable to Key-loggers?	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	-	7-15 digit PIN	7-15 digit PIN	8-15 digit PIN	8-15 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	-	-	-	-	-

Capacities[1]						
	16 / 32 / 64GB	4 / 8 / 16 / 32 / 64 / 128 / 256 / 512GB	4 / 8 / 16 / 32 / 64 / 128 / 256GB	4² / 8² / 16² / 32 / 64² / 128 / 256 / 512GB	4² / 8² / 16² / 32 / 64² / 128 / 256 / 512GB	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						
Maximum speed[3]	Read: 170MB/s Write: 130MB/s	Read: 168MB/s Write: 128MB/s	Read: 170MB/s Write: 146MB/s	Read: 310MB/s Write: 246MB/s	Read: 300MB/s Write: 239MB/s	Read: 170MB/s Write: 133MB/s
Dimensions (mm)	60 x 18 x 7.7	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	37	25	25	25	20
Dust/Water resistant	IP57	IP68	IP57	IP68	IP68	-
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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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 3.2 *(Gen 1)*
USB Type	Type-A	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	✓	-	-	-	-	-

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