iStorage®
Comparison matrix

	diskAshur M²	diskAshur²	diskAshur PRO²	diskAshur DT²	datAshur BT	datAshur PRO²	datAshur PRO	datAshur	datAshur Personal²
Security									
Common Criteria EAL4+ ready secure microprocessor	✓	✓	✓	✓	-	✓	-	-	-
AES-XTS 256-bit hardware encryption	✓	✓	✓	✓	✓	✓	✓	AES-CBC 256-bit	✓
FIPS PUB 197 certified	✓	✓	✓	✓	✓	✓	✓	✓	✓
Certifications	FIPS 140-3 Level 3 (pending)	-	NCSC CPA, FIPS 140-2 Level 2 / Level 3, NL-NCSA BSPA & NATO Restricted Level	NCSC CPA, FIPS 140-2 Level 2 / Level 3, NL-NCSA BSPA & NATO Restricted Level	FIPS 140-2 Level 3 (Pending)	FIPS 140-2 L3, NCSC CPA, NLNCSA BSPA, NATO Restricted validation (Pending)	FIPS 140-2 Level 3, NLNCSA DEP-V & NATO Restricted Level	FIPS 140-2 Level 3	-
Vulnerable to Key-loggers?	NO	NO	NO	NO	NO	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	-	7-15 digit PIN	7-15 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	-	-	-	-
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 3.2 (Gen 1)	USB 2.0	USB 3.2 (Gen 1)
Integrated USB cable	USB Type A & C cables included	✓	✓	-	-	-	-	-	-
Desk lock slot	-	✓	✓	✓	-	-	-	-	-
Wear resistant keypad	✓	✓	✓	✓	-	✓	✓	✓	✓
Step-away auto-lock	-	-	-	-	✓	-	-	-	-
Password recovery	-	-	-	-	✓	-	-	-	-
User remote wipe	-	-	-	-	✓	-	-	-	-
2 Factor Authentication (2FA)	-	-	-	-	✓	-	-	-	-
Optional add-on	iStorage DriveSecurity®	iStorage DriveSecurity®	iStorage DriveSecurity®	iStorage DriveSecurity®	iStorage DriveSecurity®	iStorage DriveSecurity®	iStorage DriveSecurity®	iStorage DriveSecurity®	iStorage DriveSecurity®
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	-	-	-	-	✓	-	-	-	-
Capacities									
	SSD: 120 / 240 / 500GB - 1 / 2TB	HDD: 500GB - 1 / 2 / 3 / 4 / 5TB SSD: 128 / 256 / 512GB - 1 / 2 / 4 / 8TB	HDD: 500GB - 1 / 2 / 3 / 4 / 5TB SSD: 128 / 256 / 512GB - 1 / 2 / 4 / 8TB	1 / 2 / 3 / 4 / 6 / 8 / 10 / 12 / 14 / 16 / 18TB	4 / 8 / 16 / 32 / 64 / 128GB	4 / 8 / 16 / 32 / 64 / 128 / 256 / 512GB	4 / 8 / 16 / 32 / 64 / 128GB	4 / 8 / 16 / 32GB	8 / 16 / 32 / 64GB
Specifications									
Dimensions (mm)	111 x 45 x 12	124x84x19 (HDD:500GB-2TB) 124x84x27 (HDD:3TB-5TB) 124x84x19 (SSD:128GB-8TB)	124x84x19 (HDD:500GB-2TB) 124x84x27 (HDD:3TB-5TB) 124x84x19 (SSD:128GB-8TB)	185.5 x 112 x 43.5	60 x 18 x 7.7	87.4 x 19.4 x 13.4	80 x 20 x 10.5	80 x 20 x 10.5	83 x 17.4 x 8.6
Weight (grams)	86	225 (HDD:500GB-2TB) 325 (HDD:3TB-5TB) 180 (SSD:128GB-8TB)	225 (HDD:500GB-2TB) 325 (HDD:3TB-5TB) 180 (SSD:128GB-8TB)	1238	16.5	37	25	25	20
Dust/Water resistant	IP68	IP56	IP56	-	IP57	IP68	IP57	IP57	-
Regulatory certifications & accreditations	FCC, CE, WEEE, Protected Regulatory Compliance (C-tick), RoHs, TAA Compliant	FCC, CE, WEEE, Protected Regulatory Compliance (C-tick), RoHs, TAA Compliant	FCC, CE, WEEE, Protected Regulatory Compliance (C-tick), RoHs, TAA Compliant	FCC, CE, WEEE, Protected Regulatory Compliance (C-tick), RoHs, TAA Compliant	FCC, CE, WEEE, Protected Regulatory Compliance (C-tick), RoHs, Reach	FCC, CE, WEEE, Protected Regulatory Compliance (C-tick), RoHs, Reach	FCC, CE, WEEE, Protected Regulatory Compliance (C-tick), RoHs	FCC, CE, WEEE, Protected Regulatory Compliance (C-tick), RoHs	FCC, CE, WEEE, Protected Regulatory Compliance (C-tick), RoHs
Warranty	3 Year	3 Year	3 Year	3 Year	3 Year	3 Year	3 Year	3 Year	3 Year

CLOUDASHUR®

The key to your data™

One device.
So many possibilities.

The unique and patented iStorage cloudAshur hardware security module is the perfect solution for anyone wanting to securely store, share and manage data in the cloud. cloudAshur can also be used to encrypt data stored on a network drive, on a local PC/MAC and to send encrypted email attachments or data via file sharing software applications.

Encrypt
with the iStorage cloudAshur module

The cloudAshur hardware encryption module encrypts all data in transit and at rest with a FIPS certified randomly generated AES 256-bit encrypted encryption key, which is stored and protected within a dedicated iStorage secure microprocessor (Common Criteria EAL4+ ready). cloudAshur grants the user full and secure control of the encryption key, thus protecting data even if the cloud account is hacked. cloudAshur also encrypts data stored on a local network drive, portable data storage devices as well as PCs/MACs.
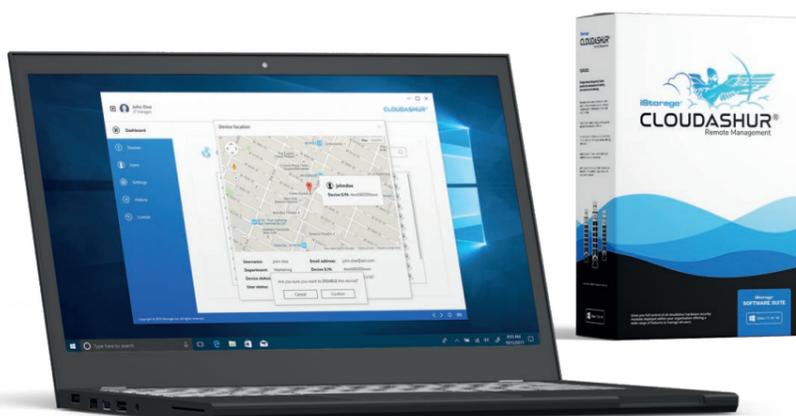
Share
using the iStorage KeyWriter application

The iStorage patented cloudAshur KeyWriter application enables the required number of cloudAshur modules to be cloned with the same encryption key allowing real-time, ultra-secure collaboration with authorised users regardless of location.

Manage
with the iStorage Remote Management Console

The cloudAshur Remote Management Console provides the IT Administrator full visibility and control of all cloudAshur modules deployed within the organisation. Administrator capabilities include temporarily disabling or resetting cloudAshur encryption modules, restricting file types, viewing user log files, displaying user location, as well as restricting the time and location users can access cloudAshur modules.

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