

External Drive Comparison Matrix



	diskAshur M²	diskAshur³	diskAshur²	diskAshur PRO³	diskAshur PRO²	diskAshur DT³	diskAshur DT²
Security							
Common Criteria EAL5+ secure microprocessor	✓	✓	✓	✓	✓	✓	✓
Encryption modes	AES-XTS 256-bit	Default: AES-XTS 256-bit Optional: AES-ECB 256-bit & AES-CBC 256-bit	AES-XTS 256-bit	Default: AES-XTS 256-bit Optional: AES-ECB 256-bit & AES-CBC 256-bit	AES-XTS 256-bit	Default: AES-XTS 256-bit Optional: AES-ECB 256-bit & AES-CBC 256-bit	AES-XTS 256-bit
FIPS PUB 197 certified	✓	✓	✓	✓	✓	✓	✓
Certifications	-	-	BIS India certified	FIPS 140-3 Level 3 (Pending)	NCSC CPA, FIPS 140-2 Level 2 / Level 3, NLNCSA BSPA & NATO Restricted Level	FIPS 140-3 Level 3 (Pending)	NCSC CPA, FIPS 140-2 Level 2 / Level 3, NLNCSA BSPA & NATO Restricted Level
Vulnerable to Key-loggers?	NO	NO	NO	NO	NO	NO	NO
Epoxy coating - physical security	✓	✓	✓	✓	✓	✓	✓
Immune to BadUSB	✓	✓	✓	✓	✓	✓	✓

Authentication method							
On-board keypad	7-15 digit PIN	8-64 digit PIN	7-15 digit PIN	8-64 digit PIN	7-15 digit PIN	8-64 digit PIN	7-15 digit PIN

Capacities¹							
HDD	-	500GB - 1, 2, 4, 5TB	500GB - 1, 2, 3, 4, 5TB	500GB - 1, 2, 4, 5TB	500GB - 1, 2, 3, 4, 5TB	2, 4, 8, 12, 14, 18, 20, 22, 24, 26, 30TB	1, 2, 3, 4, 6, 8, 12, 14, 16, 18, 20, 22, 24, 26, 30TB
SSD	240, 500GB - 1, 2TB	512GB - 1, 2, 4, 8, 16TB	128, 256, 512GB - 1, 2, 4, 8, 16TB	512GB - 1, 2, 4, 8, 16TB	128, 256, 512GB - 1, 2, 4, 8, 16TB	-	-

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

Specifications							
Maximum speed²	-	HDD					
		Read: 171MB/s Write: 148MB/s	Read: 171MB/s Write: 148MB/s	Read: 171MB/s Write: 148MB/s	Read: 171MB/s Write: 148MB/s	Read: 290MB/s Write: 284MB/s	Read: 286MB/s Write: 278MB/s
		SSD					
		Read: 370MB/s Write: 370MB/s	Read: 448MB/s Write: 444MB/s	Read: 362MB/s Write: 358MB/s	Read: 448MB/s Write: 444MB/s	Read: 362MB/s Write: 358MB/s	-
Dimensions (mm)	111 x 45 x 12	131 x 83 x 20.8 (HDD:500GB-2TB)	124 x 84 x 19 (HDD:500GB-2TB)	131 x 83 x 20.8 (HDD:500GB-2TB)	124 x 84 x 19 (HDD:500GB-2TB)	182 x 110 x 43	185.5 x 112 x 43.5
		131 x 83 x 26.8 (HDD:4TB-5TB)	124 x 84 x 27 (HDD:3TB-5TB)	131 x 83 x 26.8 (HDD:4TB-5TB)	124 x 84 x 27 (HDD:3TB-5TB)		
		131 x 83 x 20.8 (SSD:512GB-16TB)	124 x 84 x 19 (SSD:128GB-16TB)	131 x 83 x 20.8 (SSD:512GB-16TB)	124 x 84 x 19 (SSD:128GB-16TB)		
Weight (grams)³	86	254 (HDD:500GB-2TB)	216 (HDD:500GB-2TB)	297 (HDD:500GB-2TB)	216 (HDD:500GB-2TB)	932	1238
		349 (HDD:4TB-5TB)	325 (HDD:3TB-5TB)	391 (HDD:4TB-5TB)	325 (HDD:3TB-5TB)		
		214 (SSD:512GB-16TB)	180 (SSD:128GB-16TB)	257 (SSD:512GB-16TB)	180 (SSD:128GB-16TB)		
Dust/Water resistant	IP68	-	IP56	IP56	IP56	-	-
Regulatory certifications & accreditations	FCC, UKCA, CE, WEEE, Protected Regulatory Compliance (C-tick), RoHs, Reach, TAA Compliant						
Warranty	3 year manufacturer warranty + free lifetime technical support						

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

3. Weight may vary by capacity.

External Drive Comparison Matrix

		Latest Generation		Latest Generation		Latest Generation	
							
	diskAshur M ²	diskAshur ³	diskAshur ²	diskAshur PRO ³	diskAshur PRO ²	diskAshur DT ³	diskAshur DT 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	✓	✓	✓	✓	✓	✓	✓
One-Time Recovery Password	✓	✓	-	✓	-	✓	-
Self-destruct feature	✓	✓	✓	✓	✓	✓	✓
Bootable 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 Type	Type-Micro B to USB Type-A or Type-C	Type-C to USB Type-A or Type-C	Integrated Type-A	Type-C to USB Type-A or Type-C	Integrated Type-A	Type-C to USB Type-A or Type-C	Type-A
Kensington security lock slot	-	✓	✓	✓	✓	✓	✓
Backlit keypad	-	✓	-	✓	-	✓	-
Wear resistant keypad	✓	✓	✓	✓	✓	✓	✓
Optional add-on	iStorage DriveSecurity®, PIN configuration, Customisation (selected product lines)						