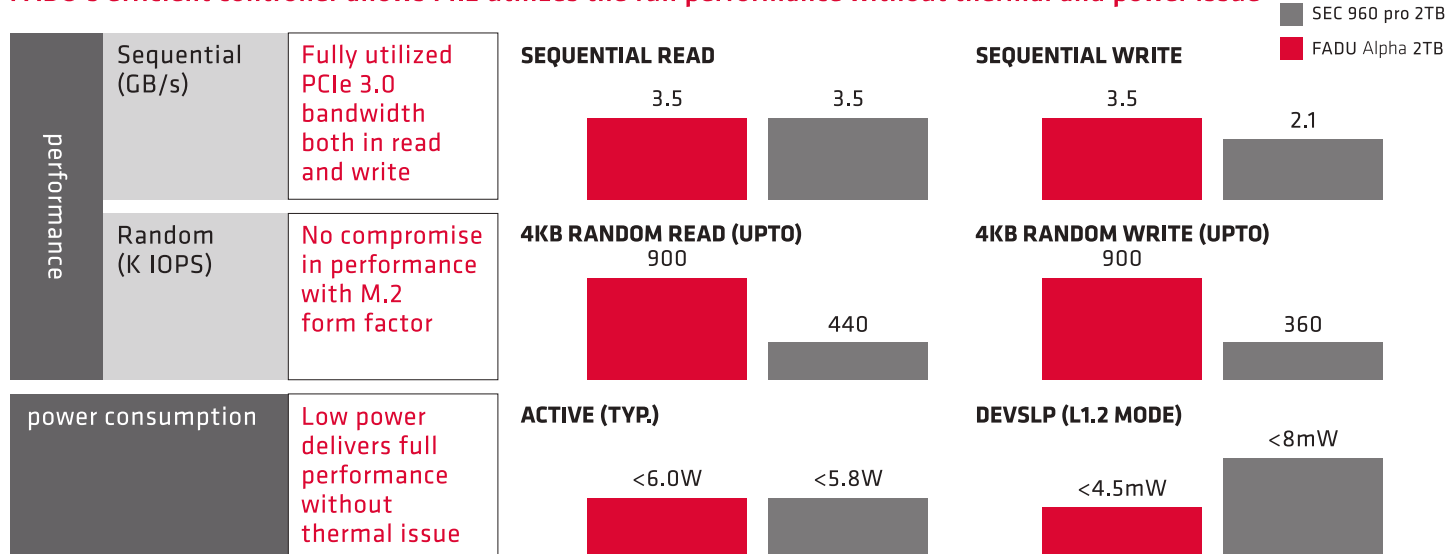


FADU ALPHA

BEST PERFORMING M.2 CONSUMER SSD

FADU's efficient controller allows M.2 utilizes the full performance without thermal and power issue



M.2 SSD is very common and useful form factor. However, many existing products didn't solve the issue of thermal and power. Thanks to its innovative architecture, FADU Annapurna controller consumes >30% less power and deliver the unmatched performance without any thermal and power issue. Also even in absolute performance, FADU Alpha achieves the totally different level of IOPS. FADU Alpha will define the standard of M.2 SSD

FADU ALPHA

Interface	PCIe Gen 3.0 x4, NVMe 1.3					
Hardware	Controller	FADU Annapurna Controller				
	Dimension	80 x 22 x 2.5/3.9mm (Single/Dual)				
	Form Factor	M.2 2280				
	NAND	3D TLC NAND				
	Capacity	256GB	512GB	1TB	2TB	4TB
Performance (up to)	Seq. Read (MB/s)	2,200	3,500	3,500	3,500	3,500
	Seq. Write (MB/s) (SLC buffer)	800	1,600	3,200	3,500	3,500
	Ran. Read (K IOPS)	150	290	580	900	900
	Ran. Write (K IOPS)	200	410	820	900	900
	Active(R/W, Avg.)	Typ. < 5W		Typ. <6W		Typ. < 7.5W
	Idle (PS3)	Typ. <50mW				
	L 1.2 DEVSLP (PS4)	Typ. < 3mW		Typ. <4.5mW		Typ. < 7.5mW
Data Security	AES 256-bit for User Data Encryption, TCG/Opal					
Key features	TRIM(Required OS support), S.M.A.R.T, NVMe command, NVMe MI					
Reliability	MTBF	1.5 million hours				
Warranty	Total Bytes Written	100	200	400	800	1,600
	Period	3 years limited				

