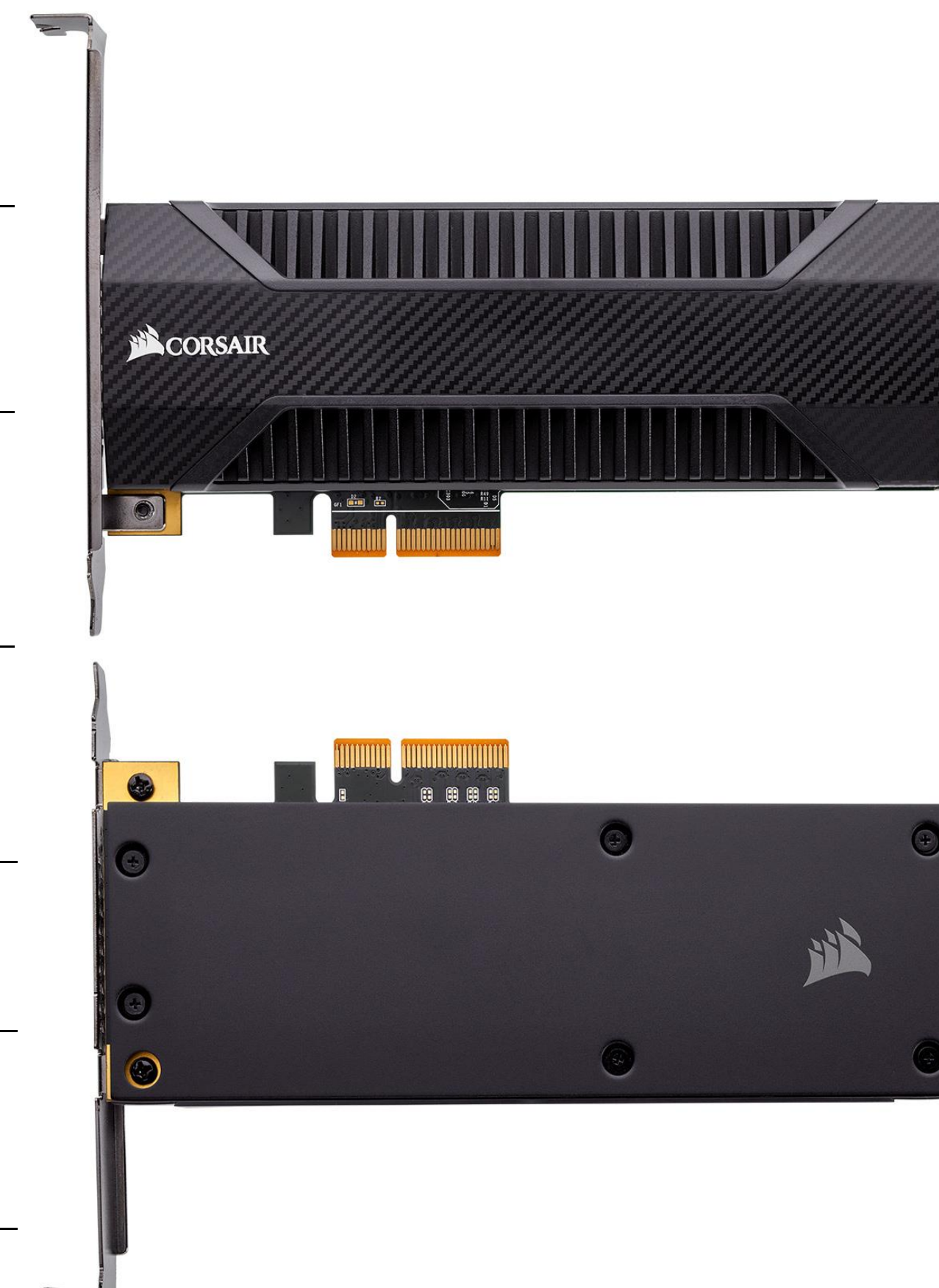


Embargo Date	July 11th 2017 6:00AM PST (UTC -8:00)
Product Full Name / Title	Corsair Neutron Series NX500 800GB Add in Card NVMe PCIe Gen. 3 x 4 SSD
Product Imagery	LINK
Video	N / A
Compatibility List	PCIe Gen. 3 x 4 SSD
Description	Corsair Neutron Series NX500 800GB Add in Card NVMe PCIe Gen. 3 x 4 SSD



Overview
100 Word Product Description

The CORSAIR Neutron NX500 NVMe PCIe AIC SSD is up to 5x faster than SATA SSDs and NVMe powered to deliver enhanced performance up to 2800/1600 MB/s sequential read/write speeds, and up to 292K/274K IOPS random read/write performance. The specially designed heat sink is engineered to maintain peak performance, while the static and dynamic wear-leveling extends the lifespan of the drive. All while 5-year dedicated support from our world-class customer support team adds another layer of protection. Neutron NX500 enables gamers, workstation owners, and content creators get the fastest and most reliable experience possible.

Overview
50 Word Product Description

The CORSAIR Neutron NX500 NVMe PCIe AIC SSD is up to 5x faster than SATA SSDs and NVMe powered to deliver previously out-of-reach sequential and IOPS read and write speeds. The specially designed heat sink is engineered to maintain optimal performance. The CORSAIR Neutron NX500 enables gamers, power users, and content creators get the fastest and most reliable experience possible.

Overview
25 Word Product Description

The CORSAIR Neutron NX500 NVMe PCIe AIC SSD is up to 5x faster than SATA SSDs and NVMe powered to deliver ultra-fast gaming performance. The specially designed heat sink is engineered to maintain optimal performance.

Features and Benefits

Feature	Benefit
NVMe PCIe interface is 5x faster than SATA 6Gbps	NVMe Interface: Up to 5x faster read and write speeds than SATA 3.0 (6 Gbit/s, 600 MB/s).
Ultrafast sequential read/write and IOPs	Mind-blowing speed: Ultrafast sequential read/write and IOPs.
PCI Express SSD 3.0 x4 connection boosts bandwidth	PCI Express SSD 3.0 x4: Transferring data over PCIe drastically boosts bandwidth, producing speeds unmatched by SATA
Highly effective heatsink cooling	Highly effective cooling: Specially designed heatsink is built for efficiency to keep your games running at peak performance.
Superior reliability with multi-level cell endurance	Multi-level cell (MLC) endurance: Improved reliability and performance over Triple-Level Cell (TLC) SSDs.
Enhanced error correction improves data retention	Enhanced error correction: Additional error bit correction and improved data retention while supporting the latest generation, high endurance MLC NAND.
Static and dynamic wear-leveling increases lifespan	Static and dynamic wear-leveling: Evens out the distribution of program/erase operations on all available blocks to increase
Advanced garbage collection supports over-provisioning, secure wipe, disk cloning and firmware updates	Advanced garbage collection: Support for over-provisioning, secure wipe, disk cloning and firmware updates.
Compatible with CORSAIR SSD Toolbox for monitoring and advanced features	Compatible with CORSAIR SSD Toolbox: Monitor S.M.A.R.T attributes and overall SSD health.
Extensive 5-year warranty	Extensive 5-year warranty: Dedicated support from our world-class CORSAIR customer support team.

Technical Specification

● Capacity:	800GB	● Max Sequential Read (CDM):	Up to 2,800 MB/s
● Interface Type:	PCIe Gen3 x4	● Max Sequential Write (CDM):	Up to 1,600 MB/s
● Form Factor:	Add-in Card (AIC)	● Max Random Read QD32 (IOMeter):	Up to 300K IOPS
● Max Sequential Read (ATTO):	Up to 3,000 MB/s	● Max Random Write QD32 (IOMeter):	Up to 270K IOPS
● Max Sequential Write (ATTO):	Up to 2,400 MB/s		

Power Consumption

● Idle:	500 mW
● Endurance:	1,396 TBW
● MTBF:	2,000,000 Hours
● Active Read:	5,580 mW
● Active Write:	7,275 mW

Environmental Specification

● Operating Temperature:	0° C~70° C
● Storage Temperature:	-40° C~85° C
● Operating Humidity:	90% RH (40° C)
● Storage Humidity:	93% RH (40° C)
● Shock:	1500 G
● Vibration:	20Hz~80Hz/1.52mm, 80Hz~2000Hz/2

Box Contents

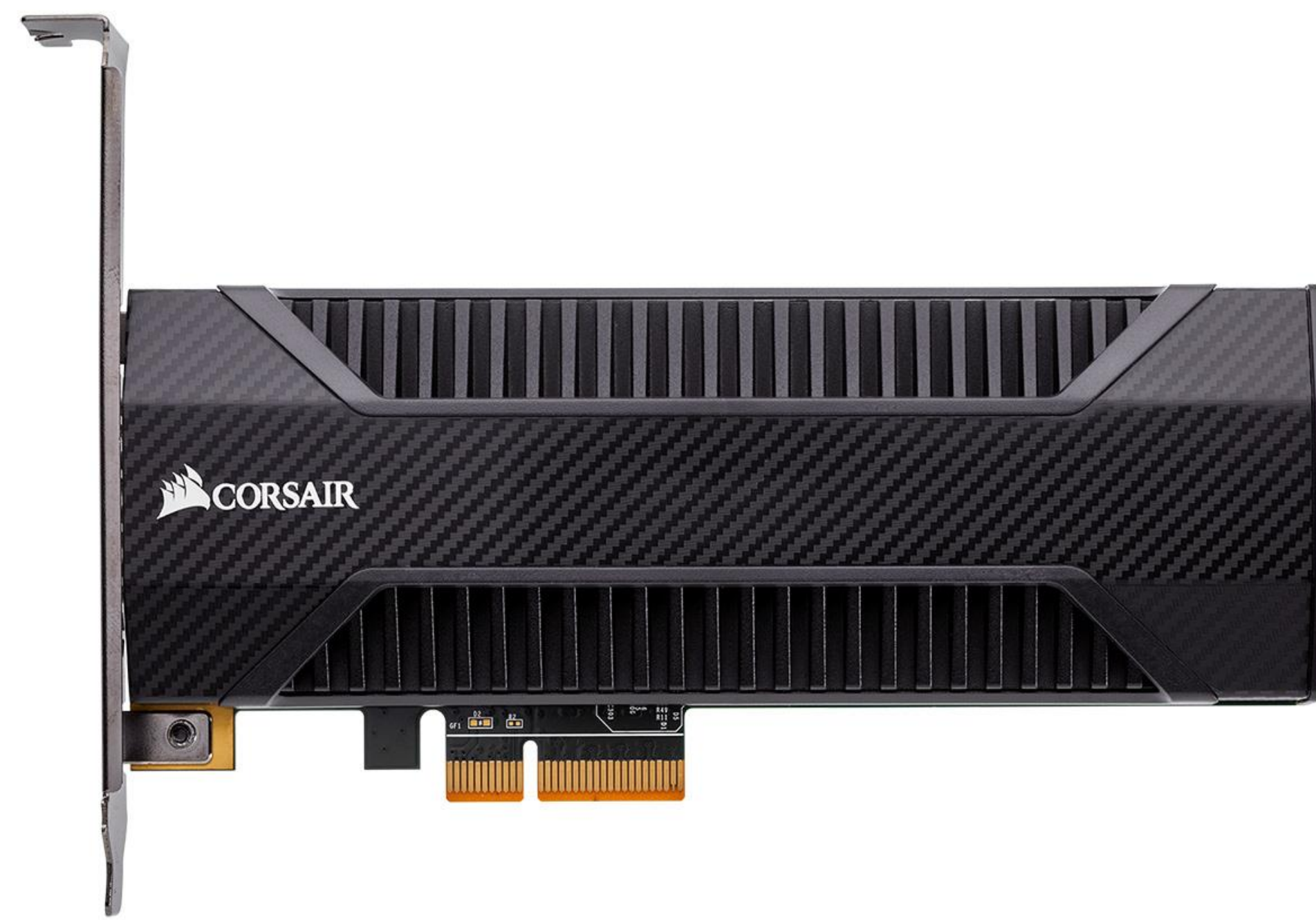
Lower Profile Bracket, Quick Start Guide, Australian Warranty Leaflet, 4 Screws

Search Terms

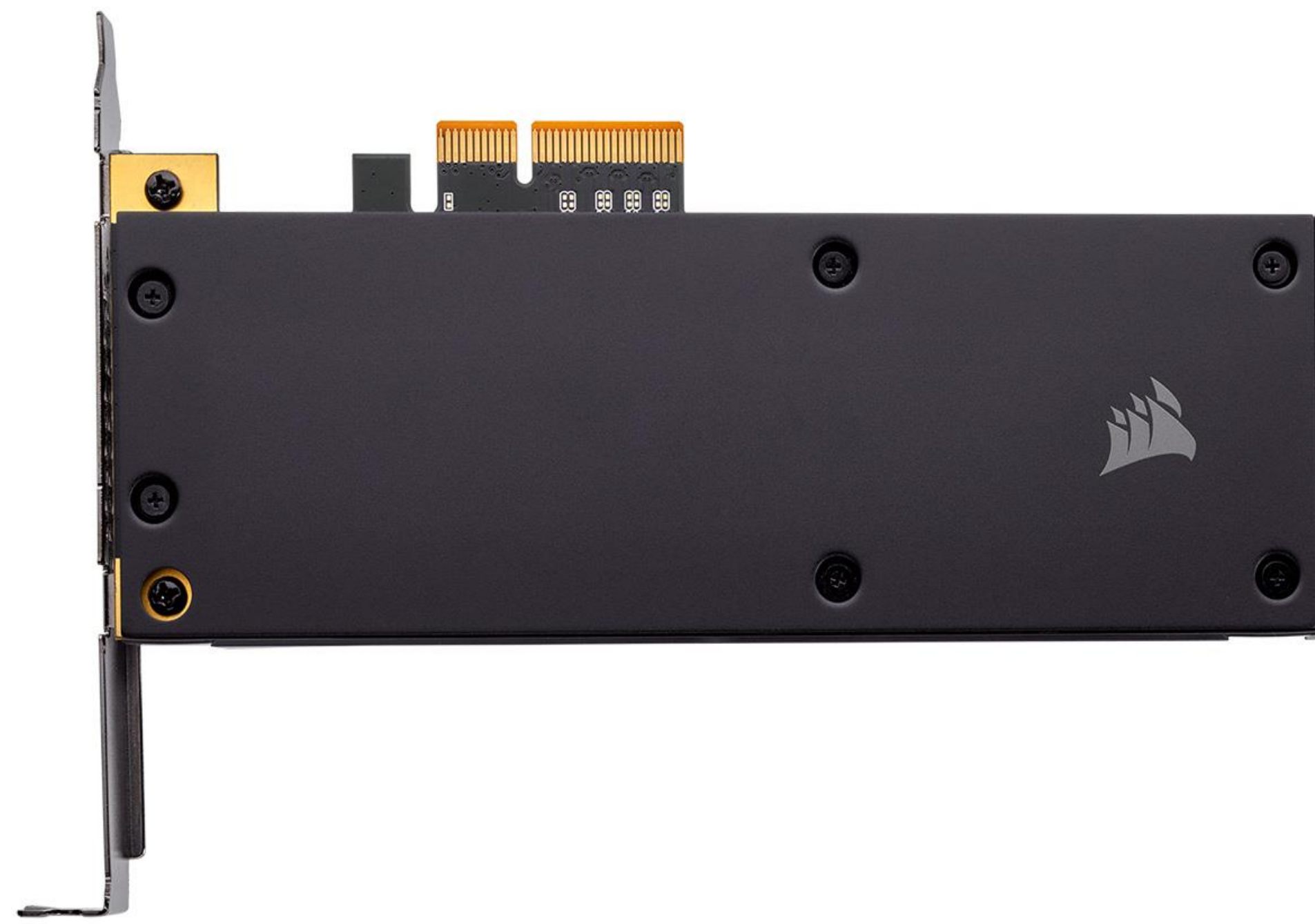
Add in Card, Corsair Add in Card, AIC, NVMe PCIe, HHHL, Gaming HHHL, AIC SSD, PCIe Gen3 x4.

Shipping Information

Product Dimensions	183 mm (L) x 12 mm (W) x 22 mm (H) / 7.20" x 0.47" x 0.87"	
Product Weight	280 g / 0.62 lbs	
Shipping Dimensions	243 mm (L) x 174 mm (W) x 43 mm (H) / 9.57" x 6.85" x 1.69"	
Shipping Weight	475 g / 1.95 lbs	
Inner Pack Quantity	5 PCS	
Inner Pack Dimensions	230 mm (L) x 250 mm (W) x 190 mm (H) / 9.06" x 9.84" x 7.48"	
Inner Pack Shipping Weight	2,690g / 5.93 lbs	
Master Pack Quantity	20 PCS / 4 inner packs	
Master Pack Dimensions	480 mm (L) x 270 mm (W) x 405 mm (H) / 18.90" x 10.63" x 15.95"	
Master Pack Shipping Weight	11,545g / 25.45 lbs	
Warranty	5 years	
Harmonized Tariff Code	8523.51.0000	
Country of Origin	TAIWAN	
Part Number/ UPC	Part Number	UPC Code
	CSSD-N800GBNX500	843591023658



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