

OUTSMART YOUR RIVALS WITH APACER'S STEALTH MACHINE

OVERCLOCKING / GAMING MEMORY MODULE & SSD



Apacer

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M.2 SSD PCIe Gen5

AS2280F4

COMING SOON

M.2 PCIe GEN5 x4 SSD

Capacity	1TB / 2TB / 4TB
INTERFACE	PCIe Gen5 x4
NAND FLASH	3D NAND
MAX READ/WRITE PERFORMANCE	Up to 12,000 / 10,000 MB/s
RANDOM WRITE PERFORMANCE	Up to 1,500,000 IOPs
Features	• Featuring the Latest PCIe Gen5 x4 Interface, Compliant with NVMe 2.0 Standard • Extreme Fast Read/ Write Speeds of 12,000 / 10,000 MB/s • Ultra-large 4TB Storage Space • The Special Designed Cooling Fan for Better Cooling • 5-year Global Warranty for Quality Assurance
Dimension	(L)80.00 x (W)22.00 x (H)3.5mm



M.2 SSD PCIe Gen4

AS2280Q4U

M.2 PCIe GEN4 x4 SSD

Capacity	512GB / 1TB / 2TB
INTERFACE	PCIe Gen4 x4
NAND FLASH	3D NAND
MAX READ/WRITE PERFORMANCE	Up to 7,400 / 7,000 MB/s
RANDOM WRITE PERFORMANCE	Up to 1,000,000 IOPs
Features	• PCIe Gen4 x4 Interface • Extreme Fast Read/ Write Speeds of 7,400 / 7,000 MB/s • Meets the Capacity Expansion Needs of PS5 Game Consoles • Dedicated Heat Sink for Better Cooling • Ultra-large 2TB Storage Space • 5-year Warranty for Maximum Protection
Dimension	Single side : (L)80.00 x (W)22.00 x (H)2.25mm Double side : (L)80.00 x (W)22.00 x (H)3.5mm



Compatible with **PS5**

M.2 SSD PCIe Gen4

AS2280Q4

M.2 PCIe GEN4 x4 SSD

Capacity	500GB / 1TB / 2TB
INTERFACE	PCIe Gen4 x4
NAND FLASH	3D TLC
MAX READ/WRITE PERFORMANCE	Up to 5,000 / 4,400 MB/s
RANDOM WRITE PERFORMANCE	Up to 750,000 IOPS
Features	• The Latest PCIe 4.0 Technology • Compliant with NVMe 1.3 Standard • 3D TLC NAND Flash • Compact Size with Higher Capacity and Reliability • Up to 5000 MB/s Ultra-High-Speed and Super-Steady • Dedicated Heat Sink for Better Cooling • Superior Data Integrity and Security
Dimension	(L)80 x (W)22 x (H)3.5mm



AS2280Q4L

COMING SOON

M.2 PCIe GEN4 x4 SSD

Capacity	512GB/ 1TB / 2TB
INTERFACE	PCIe Gen4 x4
NAND FLASH	3D NAND
MAX READ/WRITE PERFORMANCE	Up to 3600 / 3000 MB/s
RANDOM WRITE PERFORMANCE	Up to 600,000 IOPS
Features	• The Latest PCIe 4.0 Technology • Compliant with NVMe 1.3 Standard • Read/ Write Speeds of 3600 / 3000 MB/s • Superior Data Integrity and Security
Dimension	Single side : (L)80 x (W)22 x (H)2.25mm Double side : (L)80 x (W)22 x (H)3.5mm



M.2 SSD PCIe Gen3

AS2280P4U PRO

M.2 PCIe GEN3 x4 SSD

Capacity	256GB / 512GB / 1TB / 2TB
INTERFACE	PCIe Gen3 x4
NAND FLASH	3D NAND
MAX READ/WRITE PERFORMANCE	Up to 3,500 / 3,000 MB/s
RANDOM WRITE PERFORMANCE	Up to 360,000 IOPS
Features	• The Latest Generation PCIe Gen3 x4 Speed • Complies with The Latest NVMe 1.3 Specification • Extremely Thin and Light M.2 Interface • Continuous Read/Write Speeds Up to 3,500 / 3,000 MB/s • Aluminum Heat Sink Effectively Reduce Temperatures by Up to 25% • 5-year Warranty Gives Peace of Mind
Dimension	Single side : (L)80 x (W)22 x (H)3.75mm Double side : (L)80 x (W)22 x (H)5mm



AS2280P4U

M.2 PCIe GEN3 x4 SSD

Capacity	256GB / 512GB/ 1TB / 2TB
INTERFACE	PCIe Gen3 x4
NAND FLASH	3D NAND
MAX READ/WRITE PERFORMANCE	Up to 3,500 / 3,000 MB/s
RANDOM WRITE PERFORMANCE	Up to 360,000 IOPS
Features	• The Latest Generation PCIe Gen3 x4 Speed • Complies with The Latest NVMe 1.3 Specification • Extremely Thin and Light M.2 Interface • Continuous Read/Write Speeds Up to 3,500 / 3,000 MB/s • 5-year Warranty Gives Peace of Mind
Dimension	Single side : (L)80 x (W)22 x (H)2.25mm Double side : (L)80 x (W)22 x (H)3.5mm



M.2 SSD PCIe Gen3

AS2280P4

M.2 PCIe GEN3 x4 SSD

Capacity	240GB / 256GB / 480GB / 512GB / 1TB
INTERFACE	PCIe Gen3 x4
NAND FLASH	3D TLC
MAX READ/WRITE PERFORMANCE	Up to 3,000 / 2,000 MB/s
RANDOM WRITE PERFORMANCE	Up to 360,000 IOPs
Features	• Compliant with NVMe 1.3 Standard • Ultra Thin M.2 Form Factor • Sequential Read/Write Speed Up to 3000/2000MB/s (1TB) • Random Write Performance Up to 360,000 IOPs
Dimension	(L)80 x (W)22 x (H)3.5mm



AS2280P4X

M.2 PCIe GEN3 x4 SSD

Capacity	512GB / 1TB / 2TB
INTERFACE	PCIe Gen3 x4
NAND FLASH	3D NAND
MAX READ/WRITE PERFORMANCE	Up to 2,100 / 1,700 MB/s
RANDOM WRITE PERFORMANCE	Up to 360,000 IOPS
Features	• The Latest Generation PCIe Gen3 x4 Speed • Complies with The Latest NVMe 1.3 Specification • Extremely Thin and Light M.2 Interface • Continuous Read/Write Speeds Up to 2,100 / 1,700 MB/s
Dimension	Single side : (L)80 x (W)22 x (H)2.25mm Double side : (L)80 x (W)22 x (H)3.5mm



Portable SSD

AS722

USB 3.2 GEN 2 NVMe / USB-C PORTABLE SSD

Capacity	512GB / 1TB
INTERFACE	USB 3.2 Gen 2 NVMe / USB-C and backward compatible with USB 2.0
NAND FLASH	3D NAND
MAX READ/WRITE PERFORMANCE	Up to 1,000 / 900 MB/s
Features	• Sequential Read/Write Speed up to 1000/900 MB/s • USB 3.2 Gen 2 NVMe Interface • Military-Grade Shockproof and Anti Vibration Protections • Minimalist Design, Easy On-the-Go • Smooth Plug & Play with USB-C Port
Dimension	(L)122 x (W)36 x (H)12 mm



AS721

USB 3.2 GEN 2 SATA / USB-C PORTABLE SSD

Capacity	250GB / 500GB / 1TB
INTERFACE	USB 3.2 Gen 2 SATA / USB-C and backward compatible with USB 2.0
NAND FLASH	3D NAND
MAX READ/WRITE PERFORMANCE	Up to 530 / 500 MB/s
Features	• Sequential Read/Write Speed up to 530/500 MB/s • USB 3.2 Gen 2 SATA Interface • Military-Grade Shockproof and Anti Vibration Protections • Minimalist Design, Easy On-the-Go • Smooth Plug & Play with USB-C Port
Dimension	(L)122 x (W)36 x (H)12 mm



M.2 SATA SSD

AS280

M.2 SATA III SSD

Capacity	120GB / 240GB / 480GB
INTERFACE	SATA III 6Gb/s
NAND FLASH	3D TLC
MAX READ/WRITE PERFORMANCE	Up to 520 / 495 MB/s
RANDOM WRITE PERFORMANCE	Up to 84,000 IOPs
Features	• Compatible with SATA III 6Gb/s interface • Perfect for desktop PC, mini PC & notebook • Powerful ECC engine correcting up to 12bit/1KB • Supports SATA Power Management • Supports S.M.A.R.T. command • Supports TRIM & NCQ commands
Dimension	(L)80 x (W)22 x (H)3.5mm



2.5" SSD

AS350 PANTHER

SATA III SSD

Capacity	128GB / 256GB / 512GB / 1TB
INTERFACE	SATA III 6Gb/s
NAND FLASH	3D TLC
MAX READ/WRITE PERFORMANCE	Up to 560 / 540 MB/s
RANDOM WRITE PERFORMANCE	Up to 80,000 IOPs
Features	• Compatible with SATA III 6Gb/s interface • Powerful ECC engine correcting up to 12bit/1KB • Supports SATA Power Management • Supports S.M.A.R.T. command • Supports TRIM & NCQ commands
Dimension	(L)100.00 x (W)69.85 x (H)6.90 mm



AS350X

SATA III SSD

Capacity	128GB / 256GB / 512GB / 1TB
INTERFACE	SATA III 6Gb/s
NAND FLASH	3D NAND
MAX READ/WRITE PERFORMANCE	Up to 560 / 540 MB/s
RANDOM WRITE PERFORMANCE	Up to 80,000 IOPs
Features	• Compatible with SATA III 6Gb/s interface • Powerful ECC engine correcting up to 12bit/1KB • Supports SATA Power Management • Supports S.M.A.R.T. command • Supports TRIM & NCQ commands
Dimension	(L)100.00 x (W)69.85 x (H)6.90 mm



2.5" SSD

AS340 PANTHER

SATA III SSD

Capacity	120GB / 240GB / 480GB / 960GB
INTERFACE	SATA III 6Gb/s
NAND FLASH	3D TLC
MAX READ/WRITE PERFORMANCE	Up to 550 / 520 MB/s
RANDOM WRITE PERFORMANCE	Up to 80,000 IOPS

Features	• Compatible with SATA III 6Gb/s interface • Powerful ECC engine correcting up to 12bit/1KB • Supports SATA Power Management • Supports S.M.A.R.T. command • Supports TRIM & NCQ commands
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Dimension	(L)100.00 x (W)69.85 x (H)6.90 mm
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AS340X

SATA III SSD

Capacity	120GB / 240GB / 480GB / 960GB
INTERFACE	SATA III 6Gb/s
NAND FLASH	3D NAND
MAX READ/WRITE PERFORMANCE	Up to 550 / 520 MB/s
RANDOM WRITE PERFORMANCE	Up to 80,000 IOPS

Features	• Compatible with SATA III 6Gb/s interface • Powerful ECC engine correcting up to 12bit/1KB • Supports SATA Power Management • Supports S.M.A.R.T. command • Supports TRIM & NCQ commands
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Dimension	(L)100.00 x (W)69.85 x (H)6.90 mm
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PPS25-R

SATA III NAS SSD

Capacity	256GB / 512GB / 1TB / 2TB
INTERFACE	SATA III 6Gb/s
NAND FLASH	3D NAND
MAX READ/WRITE PERFORMANCE	Up to 560 / 540 MB/s
RANDOM WRITE PERFORMANCE	Up to 99,000 / 90,000 IOPS

Features	• Compatible with SATA III 6Gb/s interface • High Endurance for Longer Life • Terabytes Written (TBW):385/820/2065/3750 • MTBF: 2,000,000h • Supports S.M.A.R.T. and TRIM command
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Dimension	(L)100.00 x (W)69.85 x (H)6.90 mm
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PP3480-R

M.2 PCIe NAS SSD

Capacity	256GB / 512GB / 1TB / 2TB
INTERFACE	PCIe
NAND FLASH	3D NAND
MAX READ/WRITE PERFORMANCE	Up to 2500 / 2100 MB/s
RANDOM WRITE PERFORMANCE	Up to 530,000 / 420,000 IOPS

Features	• Compliant with NVMe 1.3 Standard • M.2 2280-52-M Form Factor • High Endurance for Longer Life • Terabytes Written (TBW):500/1000/2000/4000 • MTBF: 2,000,000h • Supports TRIM command
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Dimension	(L)80 x (W)22 x (H)2.15 mm
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Gaming Memory Module

PANTHER RGB NEW

DDR5



DATA RATE	MODEL	CAPACITY		VOLTAGE	CL TIMING
		Single Package	Dual Package		
6400MHz	PC5-51200	16GB	32GB	1.4V	32-39-39-84
6200MHz	PC5-49600	16GB	32GB	1.35V	40-40-40-76
6000MHz	PC5-48000	16GB	32GB	1.35V	40-40-40-96
5600MHz	PC5-44800	16GB	32GB	1.25V	40-40-40-80
5200MHz	PC5-41600	16GB	32GB	1.25V	40-40-40-80

PANTHER NEW

DDR5



DATA RATE	MODEL	CAPACITY		VOLTAGE	CL TIMING
		Single Package	Dual Package		
6400MHz	PC5-51200	16GB/32GB	32GB	1.4V	32-39-39-84
6200MHz	PC5-49600	16GB/32GB	32GB	1.35V	40-40-40-76
6000MHz	PC5-48000	16GB/32GB	32GB	1.35V	40-40-40-96
5600MHz	PC5-44800	16GB/32GB	32GB	1.25V	40-40-40-80
5200MHz	PC5-41600	16GB/32GB	32GB	1.25V	40-40-40-80

PANTHER

GOLDEN DDR4



DATA RATE	MODEL	CAPACITY		VOLTAGE	CL TIMING
		Single Package	Dual Package		
3200MHz	PC4-25600	8GB/16GB	16GB/32GB/64GB	1.35V	16-20-20-38
3000MHz	PC4-24000	8GB/16GB	N/A	1.35V	16-18-18-38
2666MHz	PC4-21300	8GB/16GB	N/A	1.2V	16-18-18-38
2400MHz	PC4-19200	8GB/16GB	N/A	1.2V	16-16-16-36
2133MHz	PC4-17000	8GB	N/A	1.2V	15-15-15-35

NOX DDR5

UNBUFFERED DIMM



DATA RATE	MODEL	CAPACITY		VOLTAGE	CL TIMING
		Single Package	Dual Package		
6400MHz	PC5-51200	8GB/16GB/32GB	16GB/32GB/64GB	1.4V	32-39-39-84
6000MHz	PC5-48000	8GB/16GB/32GB	16GB/32GB/64GB	1.35V	40-40-40-96
5600MHz	PC5-44800	8GB/16GB/32GB	16GB/32GB/64GB	1.25V	40-40-40-80
5200MHz	PC5-41600	8GB/16GB/32GB	16GB/32GB/64GB	1.25V	40-40-40-80

Gaming Memory Module

NOX RGB DDR4



DATA RATE	MODEL	CAPACITY		VOLTAGE	CL TIMING
		Single Package	Dual Package		
4266MHz	PC4-34100	N/A	16GB	1.45V	19-19-19-39
3600MHz	PC4-28800	N/A	16GB/32GB	1.35V	18-22-22-38
3200MHz	PC4-25600	8GB/16GB	16GB/32GB	1.35V	16-20-20-38
3000MHz	PC4-24000	8GB/16GB	16GB/32GB	1.35V	16-18-18-38
2666MHz	PC4-21300	4GB/8GB/16GB	8GB/16GB/32GB	1.2V	16-18-18-38

NOX DDR4

NEW



DATA RATE	MODEL	CAPACITY		VOLTAGE	CL TIMING
		Single Package	Dual Package		
3600MHz	PC4-28800	8GB/16GB/32GB	16GB/32GB/64GB	1.35V	17-19-19-39
3200MHz	PC4-25600	8GB/16GB/32GB	16GB/32GB/64GB	1.35V	16-20-20-38
3000MHz	PC4-24000	8GB/16GB	16GB/32GB	1.35V	16-18-18-38
2666MHz	PC4-21300	8GB/16GB	16GB/32GB	1.2V	16-18-18-38

NOX SODIMM DDR4



DATA RATE	MODEL	CAPACITY		VOLTAGE	CL TIMING
		Single Package	Dual Package		
3200MHz	PC4-25600	8GB/16GB	16GB/32GB	1.35V	20-22-22-34
3000MHz	PC4-24000	8GB/16GB	16GB/32GB	1.2V	18-20-20-38
2666MHz	PC4-21300	8GB/16GB	16GB/32GB	1.2V	18-18-18-38
2400MHz	PC4-19200	8GB/16GB	16GB/32GB	1.2V	17-17-17-36

TEX DDR4



DATA RATE	MODEL	CAPACITY		VOLTAGE	CL TIMING
		Single Package	Dual Package		
3200MHz	PC4-25600	8GB/16GB/32GB	N/A	1.35V	16-20-20-38
3000MHz	PC4-24000	8GB/16GB	N/A	1.35V	16-18-18-38
2666MHz	PC4-21300	8GB/16GB	N/A	1.2V	16-18-18-38

Desktop Memory Module

UNBUFFERED DIMM NEW
DDR5



DATA RATE	MODEL	CAPACITY	VOLTAGE	CL TIMUNG	PIN
DDR5-4800	PC5-38400	8GB/16GB/32GB	1.1V	CL40	288PIN

UNBUFFERED DIMM
DDR4



DATA RATE	MODEL	CAPACITY	VOLTAGE	CL TIMUNG	PIN
DDR4-3200	PC4-25600	8GB/16GB/32GB	1.2V	CL22	288PIN
DDR4-2666	PC4-21300	4GB/8GB/16GB/32GB	1.2V	CL19	288PIN
DDR4-2400	PC4-19200	4GB/8GB/16GB	1.2V	CL17	288PIN
DDR4-2133	PC4-17000	4GB/8GB/16GB	1.2V	CL15	288PIN

UNBUFFERED DIMM
DDR3



DATA RATE	MODEL	CAPACITY	VOLTAGE	CL TIMUNG	PIN
DDR3-1600	PC3-12800	2GB/4GB/8GB	1.35V/1.5V	CL11	240PIN

Notebook Memory Module

SO-DIMM NEW
DDR5



DATA RATE	MODEL	CAPACITY	VOLTAGE	CL TIMUNG	PIN
DDR5-4800	PC5-38400	8GB/16GB/32GB	1.1V	CL40	262PIN

SO-DIMM
DDR4



DATA RATE	MODEL	CAPACITY	VOLTAGE	CL TIMUNG	PIN
DDR4-3200	PC4-25600	8GB/16GB/32GB	1.2V	CL22	260PIN
DDR4-2666	PC4-21300	4GB/8GB/16GB/32GB	1.2V	CL19	260PIN
DDR4-2400	PC4-19200	4GB/8GB/16GB	1.2V	CL17	260PIN
DDR4-2133	PC4-17000	4GB/8GB/16GB	1.2V	CL15	260PIN

SO-DIMM
DDR3



DATA RATE	MODEL	CAPACITY	VOLTAGE	CL TIMUNG	PIN
DDR3-1600	PC3-12800	2GB/4GB/8GB	1.35V/1.5V	CL11	204PIN

GLOBAL PRESENCE

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ABOUT APACER

Apacer, one of the world leaders in memory and SSD products has started to design, research, and develop high quality and innovative gaming products wholeheartedly since 2012. Backed by the world's best technology in industrial memory module and storage(globally the no.1 market share of SSD, by Garner), Apacer gives users much more than they expect in terms of functionality and stability, providing an unmatched hi-tech products.

Apacer is dedicated to developing state-of-the-art gaming memory module and SSD with maximum performance, stability, and compatibility. Apacer would like to provide the most enjoyable and exciting experience in a game play to its users. If you are looking for the most reliable and coolest products available, look no further than Apacer gaming series. Speedy, stable, and heavy-duty with high quality materials as well as aesthetic design, Apacer gaming series is showing off at a whole new scale!

For more information about Apacer, please visit
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