

Apacer

Optimal Solutions for Seamless Factory Automation Applications

Ensuring Reliability, Stability, and Data Integrity



Apacer offers high-performance industrial SSD and memory solutions, and provides a variety of value-adding technologies to meet the demands of uninterrupted performance in automatic operations, protecting efficiency and productivity.



Enhanced Data Integrity

Advanced technologies preserve data accuracy and prevent corruption, ensuring stable system operations.



Power Failure Protection

Power protection shield against sudden power disruptions, preventing data loss and ensuring system continuity.



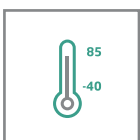
Industrial Durability

Patented Anti-sulfuration provides superior resistance against corrosion in high-sulfur environments, extending product lifespan.



Environmental Protection

Conformal coating safeguards components from dust, moisture, and contaminants, reinforcing reliability.



Extreme Temperature Reliability

Wide-temperature (-40°C to 85°C) guarantees stable performance in extreme factory conditions, reducing downtime risks.



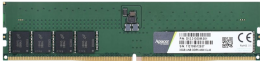
Vibration-resistant Design

Sidefill and underfill enhances durability, minimizing the impact of continuous vibrations in heavy machinery operations.

Recommended Products



Model Name	SV25V-25	PT25P-M280	PH250-M242	PT25P-CFX
Form Factor	2.5"	M.2 2280	M.2 2242	CFexpress 2.0 Type B
Interface	SATA 3.2 (6Gb/s)	PCIe Gen4 x4	PCIe Gen4 x4	PCIe Gen4 x2
NAND Flash Type	3D TLC	3D TLC	3D TLC	3D TLC
Capacity	120GB ~ 960GB	64GB ~ 2TB	160GB ~ 320GB	128GB ~ 1024GB
Max. Sequential R/W (MB/sec)	560/485	3700/3505	3740/2855	3700/3090
Max. Random R/W (IOPS)	62K	691K	544K	577K
External DRAM Buffer	No	No	No	No
Operating Temperature (°C)	0°C ~ 70°C/ -40°C ~ 85°C	0°C ~ 70°C	-40°C ~ 85°C	0°C ~ 70°C
Features	CorePower	CorePower, Sidefill	DataDefender™, SLC-liteX, Sidefill	CorePower



Model Name	DDR5 UDIMM	DDR5 SODIMM	DDR5 ECC UDIMM	DDR5 ECC SODIMM
Module Type	UDIMM	SODIMM	ECC UDIMM	ECC SODIMM
Memory Technology	DDR5	DDR5	DDR5	DDR5
Speed	4800/5600	4800/5600	4800/5600	4800/5600
Density	8GB/16GB/ 32GB/48GB	8GB/16GB/ 32GB/48GB	16GB/32GB/48GB	16GB/32GB/48GB
Voltage	1.1V	1.1V	1.1V	1.1V
Pin Count	288-Pin	262-Pin	288-Pin	262-Pin
Width	64-Bit	64-Bit	72-Bit	72-Bit
PCB Height	1.23"	1.18"	1.23"	1.18"
Operating Temperature (°C)	0°C ~ 85°C	0°C ~ 85°C	0°C ~ 85°C	0°C ~ 85°C
Fully Lead-free Resistor	Yes	Yes	Yes	Yes