

High-Reliability Solutions for Immersive Casino Gaming Applications

Maximizing System Uptime, Security, and Performance



With high-performance storage solutions and advanced value-added technologies, Apacer ensures smooth operation of gaming machines, terminals, and backend systems—enhancing gameplay experience while maintaining regulatory compliance and system integrity.



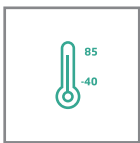
Protecting Data Security

Write Protect technology prevents unauthorized data writing and safeguarding internal data, meeting stringent regulations.



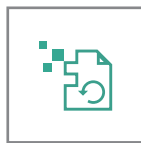
Power Failure Protection

CorePower technology prevents data loss and system corruption during sudden power outages.



24/7 Operational Reliability

Wide Temperature technology, ensure nonstop reliability, even under the constant stress of round-the-clock casino environments.



Error-Free Performance

DataRAID and Smart Read Refresh prevent data corruption, reducing the risk of crashes or interruptions.



High-Speed Performance

Low-latency SSDs and memory modules eliminate gameplay lag, enabling smooth graphics and responsive interaction.



Maximizing Endurance

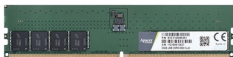
SLC-liteX technology delivers up to 100K P/E cycles, providing exceptional durability and reliability for long-term use.

Product Specification



Model Name	PH25P-CFX	SH25P-CFast	PH250-M280	SH250-25
Form Factor	CFexpress 2.0 Type B	CFast	M.2 2280	2.5"
Interface	PCIe Gen4 x2	SATA 3.2 (6Gb/s)	PCIe Gen4 x4	SATA 3.2 (6Gb/s)
NAND Flash Type	3D TLC	3D TLC	3D TLC	3D TLC
Capacity	20GB ~ 320GB	20GB ~ 320GB	160GB ~ 640GB	40GB ~ 640GB
Max. Sequential R/W (MB/sec.)	3740/2770	560/505	3325/3020	560/505
Max. Random R/W (IOPS)	570K/573K	69K	585K/623K	67K/71K
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	-40°C ~ 85°C	-40°C ~ 85°C
Features	AES 256-bit Encryption, SLC-liteX, CorePower, Write Protect	AES 256-bit Encryption, SLC-liteX, CorePower, Write Protect	AES 256-bit Encryption, DataDefender™, SLC-liteX	AES 256-bit Encryption, SLC-liteX

Product Specification



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	8GB/16GB/32GB/48GB	8GB/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