

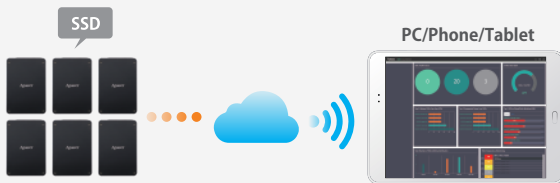
Cloud Series SSDs



Apacer Cloud Series SSDs are designed to monitor and remotely manage the typical pain points of an IoT edge device network. In addition, they also support optional CoreSnapshot technology which can provide a full SSD backup and recovery mechanism in seconds when key data is lost or system crashes occur. Cloud Series SSDs are greatly reducing the waiting time for troubleshooting and system downtime.



Featured Technologies



Remote analysis, monitoring and management of the health status of SSDs



CoreAnalyzer2

Tool for analyzing enterprise platform usage behavior

By collecting data from an emulation of the client's host system, it analyzes equipment usage behavior and recommends the most suitable SSD for the system.



SSDWidget 2.0

Comprehensive SSD monitoring and maintenance software

Can monitor SSD-related information and health status, and provide SSD lifespan and workload analysis.



CoreSnapshot

Recover an SSD's data and OS in seconds

Full backup and recovery of SSD data can be performed in seconds, which can instantly eliminate catastrophic system issues or downtime.



Out-Of-Band Management

Alternative device control

Provides a separate channel or communication path to transmit data outside the main data channel, which can be used for various purposes such as monitoring, troubleshooting, or emergency recovery.

Cloud Series SSD – SV25C



Form Factor	2.5"	M.2 2280	M.2 2242	MO-300
Interface	SATA 3.2 (6Gb/s)	SATA 3.2 (6Gb/s)	SATA 3.2 (6Gb/s)	SATA 3.2 (6Gb/s)
Model Name	SV25C-25	SV25C-M280	SV25C-M242	SV25C-300
NAND Flash Type	3D-TLC	3D-TLC	3D-TLC	3D-TLC
Capacity	120GB to 1920GB	120GB to 1920GB	120GB to 960GB	120GB to 1920GB
R/W Speed (MB/sec)	560/500	560/470	560/470	560/470
IOPs (4K Random R/W)	52K/68K	52K/68K	50K/68K	52K/68K
AES256 Support	Yes	Yes	Yes	Yes
Smart Read Refresh™	Yes	Yes	Yes	Yes
Double-barreled Solution Cloud Edition	Yes	Yes	Yes	Yes
Public Cloud Vender Support	Advantech DeviceOn, Allxon	Allxon	Allxon	Advantech DeviceOn
Private Cloud Support	Yes	Yes	Yes	Yes
CoreSnapshot 2 Support	Yes	Yes	Yes	No
OOB Hardware Connection	Yes	Yes	Yes	No
MTBF (hours)	>3,000,000	>3,000,000	>3,000,000	>3,000,000
Standard Operating Temperature (°C)	0 ~ +70	0 ~ +70	0 ~ +70	0 ~ +70
Extended Operating Temperature (°C)	-40 ~ +85	-40 ~ +85	-40 ~ +85	-40 ~ +85
Storage Temperature (°C)	-55 ~ +100	-55 ~ +100	-55 ~ +100	-55 ~ +100

Cloud Series SSD – PV25C



Form Factor	M.2 2280
Interface	PCIe Gen4x4
Model Name	PV25C-M280
NAND Flash Type	3D-TLC
Capacity	240GB to 1920GB
R/W Speed (MB/sec)	3325/3020
IOPs (4K Random R/W)	385K/600K
AES256 Support	Yes
Smart Read Refresh™	Yes
Double-barreled Solution Cloud Edition	Yes
Public Cloud Vender Support	Advantech DeviceOn, Allxon
Private Cloud Support	Yes
CoreSnapshot 2 Support	No
OOB Hardware Connection	Yes
MTBF (hours)	>3,000,000
Standard Operating Temperature (°C)	0 ~ +70
Extended Operating Temperature (°C)	-40 ~ +85
Storage Temperature (°C)	-55 ~ +100

Cloud Series SSD with OOB – SV25T Transformed



Form Factor	M.2 2280
Interface	SATA 3.2 (6Gb/s)
Model Name	SV25T-M280
NAND Flash Type	3D-TLC
Capacity	60GB to 960GB
R/W Speed (MB/sec)	560/485
IOPs (4K Random R/W)	50K/65K
AES256 Support	Yes
Smart Read Refresh™	Yes
Double-barreled Solution Cloud Edition	Yes
Public Cloud Vender Support	Allxon
Private Cloud Support	Yes
CoreSnapshot 2 Support	Yes
OOB Hardware Connection	Yes
MTBF (hours)	>3,000,000
Standard Operating Temperature (°C)	0 ~ +70
Extended Operating Temperature (°C)	-40 ~ +85
Storage Temperature (°C)	-55 ~ +100

Cloud Series OOB



Model Name	OOB Module
Module Type	Out-of-Band Remote Management Module
Connector Type	RJ45
Ethernet Standard	IEEE 802.3, IEEE 802.3u (100Base-T)
Transmission Speed	10/100 Mbps
Port Number	1
Protection	Air-15kV, Contact-8kV (Ethernet Port)
Remote Control I/O	GPIO*2 (Power Key and Recovery)
Power Source	+3.3~5 VDC
Power Consumption	1W @ 3.3 VDC
Dimensions (W x L x H mm)	22.00 x 41.50 x 7.75 (OOB) 29.5 x 35.30 x 19.10 (RJ45)
Standard Operating Temperature (°C)	0 ~ +70
Extended Operating Temperature (°C)	-40 ~ +85
Storage Temperature (°C)	-55 ~ +100