

APACER Memory Modules

Apacer
Access the best

SERIAL ATA FLASH DRIVE (SAFD)

The SAFD (Serial ATA Flash Drive) SSD is the best drop-in replacement for high-maintenance HDDs where reliability is a major concern.

- Features:**
- Longevity Support with Fix B.O.M.
 - Perfect replacement of 1.8/2.5inch SATA HDDs
 - Built-in HW ECC, Quick Erase and SMART Functions
 - Interface: SATA 3Gb/s
 - Form Factor: 2.5"

- Specifications:**
- Ruggedize Power Failure Recovery
 - Advanced Wear-leveling and Block Management
 - Secured Protection Zone and Purge Functions (Optional)
 - Connector: (7+15) pin male
 - ECC Support: 8 bit/512 bytes

RoHS Compliant This product is RoHS compliant.



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Apacer Part No.	Flash Type	Capacities	Sustained R/W Speed (MB/Sec)	Extended Op Temp.	Shock	Vibration	Humidity	MTBF (hours)	Dimensions (mm) (LxWxH)	Price Each	
											1	10
SAFD254 SATA 2.5" SLC extended temperature												
908-SA254QA032GSEHT	AP-SAFD254QA032GS-ETH	SLC	32GB	160/135	-40~+85°C	1500G	15G	5%-95%	2000000	100x69.8x9.3	454.35	438.47
SAFD254-M, SATA 2.5" MLC												
908-SAFD254QA032GSEM	AP-SAFD254QA032GS-EM	MLC	32GB	155/100	-	1500G	15G	5%-95%	1000000	100x69.8x9.3	178.08	171.85
908-SAFD254QA064GSEM	AP-SAFD254QA064GS-EM	MLC	64GB	155/100	-	1500G	15G	5%-95%	1000000	100x69.8x9.3	277.18	267.49
908-SAFD254QA128GSEM	AP-SAFD254QA128GS-EM	MLC	128GB	155/100	-	1500G	15G	5%-95%	1000000	100x69.8x9.3	569.22	549.32
908-SAFD254QA256GSEM	AP-SAFD254QA256GS-EM	MLC	256GB	155/100	-	1500G	15G	5%-95%	1000000	100x69.8x9.3	1104.95	1066.32
SAFD181 SATA 1.8" SLC												
908-SAFD18BQA16GSHL	AP-SAFD18BQA016GS-HL	SLC	16GB	160/135	-40~+85°C	50G	15G	5%-95%	2000000	78.3x54x5	236.36	254.16
908-SAFD18BQA32GSHL	AP-SAFD18BQA032GS-HL	SLC	32GB	160/135	-40~+85°C	50G	15G	5%-95%	2000000	78.3x54x5	467.12	450.78
SAFD181 SATA 1.8" MLC												
908-SAFD18BQA16GSEML	AP-SAFD18BQA016GS-EML	MLC	16GB	155/90	-	50G	15G	5%-95%	1000000	78.3x54x5	118.65	114.31
908-SAFD18BQA32GSEML	AP-SAFD18BQA032GS-EML	MLC	32GB	155/90	-	50G	15G	5%-95%	1000000	78.3x54x5	166.82	160.98

SATA DISK MODULE (SDM)

Apacer's SATA-Disk Module (SDM) is a high performance, embedded SSD designed to replace a conventional SATA hard disk drive in desktops, IT-STB, industrial PC and thin client systems. SDM SSD can be plugged into a standard SATA 7-pin /22-pin connector commonly found in desktops, IT-STB, industrial PC and thin client systems. Apacer's SDM SSD has a built-in microcontroller and file management firmware that communicates with SATA standard interfaces. This means SDM SSD does not require additional or proprietary host software.

- Features:**
- Longevity Support with Fix B.O.M.
 - 7-pin SATA Connector
 - Built-in HW ECC, Quick Erase and SMART Functions
 - ECC Support: 8 bit/512 bytes

- Specifications:**
- Ruggedize Power Failure Recovery
 - Advanced Wear-leveling and Block Management
 - Interface: SATA II 3Gb/s



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Apacer Part No.	Flash Type	Capacities	Sustained R/W Speed (MB/Sec)	Standard Op Temp. (°C)	Shock	Vibration	Humidity	MTBF (hours)	Dimensions (mm) (LxWxH)	Price Each	
											1	10
SDM II, 7 pin 180 degree												
908-SDM004GAPANSHT	AP-SDM004GAPANS-HT	SLC	4GB	27/27	0 to 70	50G	15G	5%-95%	2000000	-	71.32	68.83
SDM II, 7 pin 180 degree with housing												
908-SDM004GBPANSHT	AP-SDM004GBPANS-HT	SLC	4GB	27/27	0 to 70	50G	15G	5%-95%	2000000	29.4 x 33.25	71.32	68.83

ATA-DISK MODULE (ADM)

Apacer's ATA-Disk Module (ADM) is a high performance, embedded solid state drive (SSD) designed for desktops, IT-STB, industrial PC and thin client systems. Apacer's ADM SSD has a built-in microcontroller and file management firmware that communicates with ATA standard interfaces. This means ADM SSD does not require additional or proprietary host software such as Flash File System (FFS) and Memory Technology Driver (MTD).

- Features:**
- Longevity Support with Fix B.O.M.
 - Standard 40-pin/44-pin IDE female connector
 - Advanced Wear-leveling and Block Management
 - Default SLC NAND Flash
 - Security function:
 - Write protection jumper (Optional)
 - Factory-programmed, up to 20-byte unique ID (Software Protect mechanism)
 - Secure Protection Zone (Optional)

- Specifications:**
- Ruggedize Power Failure Recovery
 - Built-in HW ECC, Quick Erase and SMART Functions
 - Secured Protection Zone (Optional)
 - Interface: Standard ATA / IDE
 - ECC Support: 8 bit/512 bytes
 - Orientation: 90D, 180D, 270D



44pin/180 degree middle profile without housing



44pin/180 degree middle profile with housing



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Apacer Part No.	Flash Type	Capacities	Sustained R/W Speed (MB/Sec)	Extended Op Temp.	Shock	Vibration	Humidity	MTBF (hours)	Low Power Consumption	Price Each	
											1	10
ADM III, Pata disk on module, 40 pin middle profile with housing												
908-FM002GED0D5SKS1M	AP-FM002GED0D5S-KS1M	-	2GB	Standard:35/15 High Speed:35/25	-40°C to 85°C	50G	15G	5% - 95%	2,000,000	Active mode (Typical): 85mA/100mA Sleep mode (Typical): 500/600µA	33.18	32.02
908-FM004GED0D5SKS1M	AP-FM004GED0D5S-KS1M	-	4GB	Standard:35/15 High Speed:35/25	-40°C to 85°C	50G	15G	5% - 95%	2,000,000	Active mode (Typical): 85mA/100mA Sleep mode (Typical): 500/600µA	60.50	58.39
ADM III, Pata disk on module, 44 pin middle profile with housing												
908-FM001GE20D5SKS1H	AP-FM001GE20D5S-KS1H	-	1GB	Standard:35/15 High Speed:35/25	-40°C to 85°C	50G	15G	5% - 95%	2,000,000	Active mode (Typical): 85mA/100mA Sleep mode (Typical): 500/600µA	25.98	25.07
908-FM002GE20D5SKS1H	AP-FM002GE20D5S-KS1H	-	2GB	Standard:35/15 High Speed:35/25	-40°C to 85°C	50G	15G	5% - 95%	2,000,000	Active mode (Typical): 85mA/100mA Sleep mode (Typical): 500/600µA	38.70	36.20
908-FM004GE20D5SKS1H	AP-FM004GE20D5S-KS1H	-	4GB	Standard:35/15 High Speed:35/25	-40°C to 85°C	50G	15G	5% - 95%	2,000,000	Active mode (Typical): 85mA/100mA Sleep mode (Typical): 500/600µA	60.51	58.39

INDUSTRIAL COMPACTFLASH

Apacer Industrial CompactFlash provides solid traceability to ensure all product HW/FW are the same as you qualified.

- Features:**
- Longevity Support with Fix B.O.M.
 - Compliant with CFA 3.0 specifications for CFCIII
 - Compliant with CFA 4.1 specifications for CFC4
 - Advanced wear-leveling and Block Management
 - Secured Protection Zone/ Quick Erase for ATA CF
 - Interface: PC Card Memory Mode; PC Card I/O Mode; True IDE Mode
 - ECC Support: Up to 8/15 bit correction per 512byte page size (BCH)
 - Standard Temperature: 0 to 70°C

- Specifications:**
- Shock: 50G
 - Vibration: 15G
 - Humidity: 5% - 95%
 - MTBF (hours): 2,000,000
 - Active Mode (Typ.): 80mA/95mA
 - Idle Mode (Typ.): 700µA/900µA



PRODUCT NEW

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Apacer Part No.	Capacity (GB)	Compliant with	Sustained R/W Speed (MB/s)	Price Each		MOUSER STOCK NO.	Apacer Part No.	Capacity (GB)	Compliant with	Sustained R/W Speed (MB/s)	Price Each	
					1	10						1	10
Extended Temperature: -40 to 85°C													
908-AP-CF001GA5GS-NR	AP-CF001GA5GS-NR	1	CF4	50/21	38.34	37.28	908-APCF001GA5GSETNR	AP-CF001GA5GS-ETNR	1	CF4	50/21	40.86	39.72
908-AP-CF002GA5GS-NR	AP-CF002GA5GS-NR	2	CF4	50/21	45.41	44.15	908-APCF002GA5GSETNR	AP-CF002GA5GS-ETNR	2	CF4	50/21	48.09	46.75
908-AP-CF004GA5GS-NR	AP-CF004GA5GS-NR	4	CF4	50/21	64.59	62.79	908-APCF004GA5GSETNR	AP-CF004GA5GS-ETNR	4	CF4	50/21	78.57	76.39
908-AP-CF008GA5GS-NR	AP-CF008GA5GS-NR	8	CF4	50/21	110.66	106.79	908-APCF008GA5GSETNR	AP-CF008GA5GS-ETNR	8	CF4	50/21	117.27	113.17
908-CF002GE3FRNRK	AP-CF002GE3FR-NRK	2	CF3	30/5	34.41	33.46	908-APCF008GA5GSETNR	AP-CF008GA5GS-ETNR	8	CF4	50/21	117.27	113.17
908-CF004GE3FRNRK	AP-CF004GE3FR-NRK	4	CF3	30/5	61.13	59.43	908-CF008GE3FRETRNK	AP-CF008GE3FR-ETNRK	8	CF3	30/5	123.99	120.54
908-CF008GE3FRNRK	AP-CF008GE3FR-NRK	8	CF3	30/5	113.46	110.31							

INDUSTRIAL SD CARDS

- Features:**
- Access time: 80ms
 - Operating supply voltage: 3.3V
 - NAND flash type: SLC
 - High-speed sustained read/write (MB/sec):
 - Standard Temp: 22 read/15 write
 - Extended Temp: 10 read/ 7 write

PRODUCT NEW

RoHS Compliant

MOUSER STOCK NO.	Apacer Part No.	Memory Size (GB)	Max. Operating Temp (°C)	Price Each	
				1	10
908-AP-ISD01GCS2A-T	AP-ISD01GCS2A-T	1	0 to 70	23.39	22.74
908-AP-ISD02GCS2A-T	AP-ISD02GCS2A-T	2	0 to 70	33.31	32.39
908-AP-ISD04GCS4A-T	AP-ISD04GCS4A-T	4	0 to 70	60.97	59.28
908-AP-ISD08GCD4A-T	AP-ISD08GCD4A-T	8	0 to 70	116.29	113.06

PRODUCT NEW

RoHS Compliant

MOUSER STOCK NO.	Apacer Part No.	Memory Size (GB)	Max. Operating Temp (°C)	Price Each	
				1	10
908-AP-ISD01GIS2B-T	AP-ISD01GIS2B-T	1	-40 to 85	24.83	24.14
908-AP-ISD02GIS2B-T	AP-ISD02GIS2B-T	2	-40 to 85	35.99	34.99
908-AP-ISD04GIS4B-T	AP-ISD04GIS4B-T	4	-40 to 85	66.16	64.32
908-AP-ISD08GID4B-T	AP-ISD08GID4B-T	8	-40 to 85	127.29	123.75