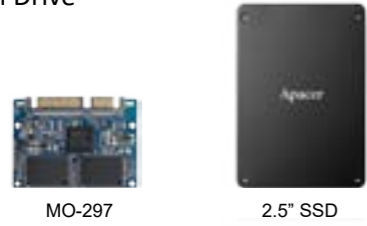


SFD SATA Flash Drive [More Detail](#)



- Capacity: SLC 8GB-240GB, MLC 32GB-2TB, 3D TLC 30GB-3.8TB
- SATA 3 (6 Gbit/s) interface
- Support LDPC ECC
- Global Wear-Leveling Technology
- AES256 Support
- End-to-End Data Protection
- DEVSLP/Thermal Sensor
- DataDefender™
- S.M.A.R.T. and SSD Widget
- DataRAID™
- TCG Opal 2.0 (Optional)
- CorePower (SV24P-25&SV25P-25 only)
- SLC-liteX P/E Cycles up to 100K (SH250-25 only)

SDM SATA Disk Module [More Detail](#)



- Capacity: 7pin-SLC 1GB-32GB, 7pin-MLC 4GB-256GB, 3D TLC 30GB-240GB; 22pin-SLC 1GB-32GB, MLC 8GB-64GB
- 7pin/22pin connector
- Support LDPC ECC
- Global Wear-Leveling Technology
- AES256 Support
- Power Failure Management
- End-to-End Data Protection
- S.M.A.R.T. and SSD Widget support
- Multi-PowerPath Technology
- Thermal Sensor
- DataRAID™
- TCG Opal 2.0(Optional)
- SLC-liteX P/E Cycles up to 100K (SH250 only)

PCIe SSD M.2 [More Detail](#)



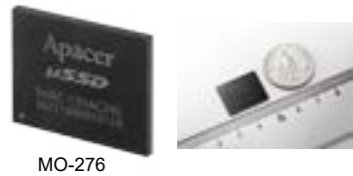
- Capacity: 2230-3D TLC: 60GB-240GB; 2242-3D TLC: 60GB-480GB; 2280-3D TLC: 120GB-1920GB
- Interface: 2230/2242-Compliant with PCIe Gen3 x2 interface; 2280-Compliant with PCIe Gen3 x4 / Gen4 x4 interface
- M.2 (NGFF) connector
- Support CoreGlacier Technology
- Built-in LDPC ECC* and S.M.A.R.T. SSD Widget
- Support Datadefender and DataRAID™
- Built-in End-to-End Data Protection and Thermal throttling Technology
- Support AES 256 and Signed FW
- Anti-Sulfuration (Optional)

PCIe SSD CFexpress Card & 2.5" & BGA SSD [More Detail](#)



- Form Factor: CFx Type B/2.5"/PCIe BGA SSD (M.2 1620)
- Capacity: CFexpress-3D TLC 60GB-480GB ; 2.5"-3D TLC 960GB-3840GB ; BGA SSD-3D TLC 120GB-960GB
- Interface: CFexpress-Compliant with NVMe 2.0 and PCIe Gen3 x2 interface; 2.5"-Compliant with PCIe Gen3 x4 interface; BGA SSD-Compliant with PCIe Gen3 x4 interface
- Power Failure Management
- Built-in LDPC ECC and S.M.A.R.T. SSD Widget
- End-to-End Data Protection and Thermal throttling Technology
- Support TRIM
- Support Wide Temperature
- Support AES 256
- Write Protect Switch (CFexpress only)

SSD BGA SSD [More Detail](#)



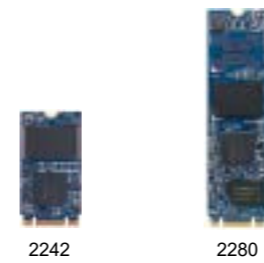
- Capacity: 3D TLC 30GB-120GB
- Compliant with MO-276 standard (16 x 20 x 1.4 mm)
- SoC (System on Chip) / SiP (System in Chip) technology
- Support LDPC ECC
- Global Wear-Leveling Technology
- TRIM Support
- End-to-End Data Protection
- Thermal Sensor
- Power Failure Management
- S.M.A.R.T. and SSD Widget
- SATA 3 (6 Gbit/s) interface

USB Drive USB Disk Module [More Detail](#)



- Capacity: SLC 256MB-32GB, MLC 8GB-128GB; 3D TLC 16GB-256GB
- Compliant with USB 2.0/3.0/3.1 gen1/3.1 gen1 Type C specifications
- Flash Bad-block Management
- Global Wear-Leveling Technology
- S.M.A.R.T.
- Support LDPC ECC
- Power Failure Management
- Page Mapping
- Air 15kv ESD Protection (UV110-UFD5 only)

M.2 (NGFF) [More Detail](#)



- Capacity: 2242 SLC 1GB-64GB, MLC 8GB-256GB, TLC 30GB-960GB; 2280 SLC 16GB-128GB, MLC 32GB-1TB, TLC 30GB-1920GB
- SATA 3 (6 Gbit/s) interface
- Support LDPC ECC
- Global Wear-Leveling Technology
- AES256 support
- End-to-End Data Protection
- DEVSLP/Thermal Sensor
- DataDefender™
- S.M.A.R.T. and SSD Widget
- DataRAID™
- TCG Opal 2.0 (Optional)
- CorePower (SV24P&SV25P only)
- SLC-liteX P/E Cycles up to 100K (SH250 only)
- Anti-Sulfuration (Optional)

mSATA [More Detail](#)



- Capacity: MO-300-SLC 2GB-128GB, MLC 8GB-512GB, 3D TLC 30GB-1920GB; MO-300B-SLC 2GB-32GB ; MLC 8GB-128GB; TLC 30GB-240GB
- Support LDPC ECC
- Global Wear-Leveling Technology
- AES256 support
- End-to-End Data Protection
- DEVSLP/Thermal Sensor
- DataDefender™
- S.M.A.R.T. and SSD Widget
- DataRAID™ (SV240&SV250 only)
- SATA 3 (6 Gbit/s) interface
- TCG Opal 2.0 (Optional)
- SLC-liteX P/E Cycles up to 100K (SH250 only)

CFast CFast Card [More Detail](#)



- Capacity: SLC 2GB-64GB, MLC 8GB-256GB, 3D TLC 30GB-960GB, 3D SLC-liteX 10GB-160GB
- Support LDPC ECC
- Global Wear-Leveling Technology
- AES256 Support
- End-to-End Data Protection
- DEVSLP/Thermal Sensor
- DataDefender™
- S.M.A.R.T. and SSD Widget
- DataRAID™
- Write Protect(Optional)
- CorePower (SV25P-CFast only)
- SLC-liteX P/E Cycles up to 100K (SH250-CFast only)

UDM USB Disk Module [More Detail](#)



- Capacity: SLC 128MB-32GB, MLC 8GB-128GB; 3D TLC 16GB-256GB; SLC-liteX 8GB-64GB
- Compliant with standard USB specifications
- Supports Linux / Win7 / Win10 or later
- Shock resistance, anti-vibration design and low power consumption
- Supports Wide Temperature
- Built-in S.M.A.R.T. function
- Pitch size 2.00 mm and 2.54 mm supported
- 3D TLC support page mapping

Industrial microSD & SD Card [More Detail](#)



- Capacity: SD Card-SLC 256MB-32GB , MLC 4GB-128GB; 3D TLC 32GB-256GB; microSD Card-SLC 256MB-8GB , MLC: 8GB-128GB, 3D TLC 32GB-256GB
- Compliant with SD5.0, SD4.0, SD3.0, and SD2.0 specifications
- Supports SD and SPI modes
- Global Wear Leveling and flash block management
- Low power consumption
- Read disturb management
- Smart Read Refresh™
- SLC-lite Technology (optional)
- SLC-liteX Technology (CH110/CH210/CH120 only)
- Supports Wide Temperature
- S.M.A.R.T. function supported
- Intelligent power failure recovery
- FTL: Page Mapping (optional)

Industrial CF Industrial CompactFlash [More Detail](#)



- Capacity: SLC 128MB-64GB, MLC 8GB-128GB, SLC-liteX: 8GB-64GB
- Compliant with CF 6.0 / CF 6.1 specification
- Advanced wear-leveling technology and flash block management
- Built-in ATA Secure Erase and S.M.A.R.T. functions
- Intelligent power failure recovery
- Supports Wide Temperature
- SLC-lite Technology (Industrial CF6A-SL only)
- SLC-liteX Technology (CH710-CF only)
- Write Protect Switch (optional)

Apacer's Industrial memory modules have all gone through rigorous environment tests (extended temperature and high/low pressure testing for longer periods of time) and motherboard tests.

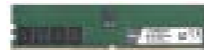
Available Features for Apacer Industrial Memory Series

- Conformal coating for dust, moisture and corrosion prevention
- Industrial Wide Temperature (-40 °C ~ + 85 °C) support
- Anti-Sulfuration
- Underfill

Apacer Server Memory

- 30μ Gold Finger for robust design
- EDEC Compliant Design
- Thermal Sensor
- CMTL Certified

Data rate	Model	Capacity	Voltage	Standard	Industrial OP Temp.	CL	Pin
DDR5-4800	PC5-38400	8GB~32GB	1.1V	0 °C~85 °C	-	CL40	288-pin
DDR4-3200	PC4-25600	2GB~32GB	1.2V	0 °C~85 °C	-40 °C~85 °C	CL22	288-pin
DDR4-2933	PC4-23400	2GB~32GB	1.2V	0 °C~85 °C	-40 °C~85 °C	CL21	288-pin
DDR4-2666	PC4-21300	2GB~32GB	1.2V	0 °C~85 °C	-40 °C~85 °C	CL19	288-pin
DDR4-2400	PC4-19200	2GB~32GB	1.2V	0 °C~85 °C	-40 °C~85 °C	CL17	288-pin
DDR4-2133	PC4-17000	2GB~32GB	1.2V	0 °C~85 °C	-40 °C~85 °C	CL15	288-pin
DDR3-1600	PC3-12800	1GB~16GB	1.35V/1.5V	0 °C~85 °C	-40 °C~85 °C	CL11	240-pin
DDR3-1333	PC3-10600	1GB~16GB	1.35V/1.5V	0 °C~85 °C	-40 °C~85 °C	CL9	240-pin
DDR3-1066	PC3-8500	1GB~16GB	1.35V/1.5V	0 °C~85 °C	-40 °C~85 °C	CL7	240-pin
DDR2-800	PC2-6400	1GB~4GB	1.8V	0 °C~85 °C	-	CL6	240-pin
DDR2-667	PC2-5300	1GB~4GB	1.8V	0 °C~85 °C	-	CL5	240-pin
DDR2-533	PC2-4300	1GB~4GB	1.8V	0 °C~85 °C	-	CL4	240-pin
DDR-400	PC-3200	512MB~1GB	2.6V	0 °C~70 °C	-	CL3	184-pin
DDR-333	PC-2700	512MB~1GB	2.5V	0 °C~70 °C	-	CL2.5	184-pin



[More Detail](#)

Data rate	Model	Capacity	Voltage	Standard	Height	CL	Pin
DDR4-3200 VLP	PC4-25600	4GB~32GB	1.2V	0 °C~85 °C	0.738"	CL22	288-pin
DDR4-2933 VLP	PC4-23400	4GB~32GB	1.2V	0 °C~85 °C	0.738"	CL21	288-pin
DDR4-2666 VLP	PC4-21300	2GB~32GB	1.2V	0 °C~85 °C	0.738"	CL19	288-pin
DDR4-2400 VLP	PC4-19200	2GB~32GB	1.2V	0 °C~85 °C	0.738"	CL17	288-pin
DDR4-2133 VLP	PC4-17000	2GB~32GB	1.2V	0 °C~85 °C	0.738"	CL15	288-pin
DDR3-1600 VLP	PC3-12800	1GB~8GB	1.35V/1.5V	0 °C~85 °C	0.738"	CL11	240-pin
DDR3-1333 VLP	PC3-10600	1GB~8GB	1.35V/1.5V	0 °C~85 °C	0.738"	CL9	240-pin
DDR3-1066 VLP	PC3-8500	1GB~8GB	1.35V/1.5V	0 °C~85 °C	0.738"	CL7	240-pin
DDR2-800 VLP	PC2-6400	1GB~2GB	1.8V	0 °C~85 °C	0.72"	CL6	240-pin
DDR2-667 VLP	PC2-5300	1GB~2GB	1.8V	0 °C~85 °C	0.72"	CL5	240-pin



[More Detail](#)

Data rate	Model	Capacity	Voltage	Standard	Industrial OP Temp.	CL	Pin
DDR5-4800	PC5-38400	8GB~32GB	1.1V	0 °C~85 °C	-	CL40	262-pin
DDR4-3200	PC4-25600	2GB~32GB	1.2V	0 °C~85 °C	-40 °C~85 °C	CL22	260-pin
DDR4-2933	PC4-23400	2GB~32GB	1.2V	0 °C~85 °C	-40 °C~85 °C	CL21	260-pin
DDR4-2666	PC4-21300	2GB~32GB	1.2V	0 °C~85 °C	-40 °C~85 °C	CL19	260-pin
DDR4-2400	PC4-19200	2GB~32GB	1.2V	0 °C~85 °C	-40 °C~85 °C	CL17	260-pin
DDR4-2133	PC4-17000	2GB~32GB	1.2V	0 °C~85 °C	-40 °C~85 °C	CL15	260-pin
DDR3-1600	PC3-12800	1GB~16GB	1.35V/1.5V	0 °C~85 °C	-40 °C~85 °C	CL11	204-pin
DDR3-1333	PC3-10600	1GB~16GB	1.35V/1.5V	0 °C~85 °C	-40 °C~85 °C	CL9	204-pin
DDR3-1066	PC3-8500	1GB~16GB	1.35V/1.5V	0 °C~85 °C	-40 °C~85 °C	CL7	204-pin
DDR2-800	PC2-6400	1GB~4GB	1.8V	0 °C~85 °C	-40 °C~85 °C	CL6	200-pin
DDR2-667	PC2-5300	1GB~4GB	1.8V	0 °C~85 °C	-40 °C~85 °C	CL5	200-pin
DDR2-533	PC2-4300	1GB~4GB	1.8V	0 °C~85 °C	-40 °C~85 °C	CL4	200-pin
DDR-400	PC-3200	512MB~1GB	2.6V	0 °C~70 °C	-40 °C~85 °C	CL3	200-pin
DDR-333	PC-2700	512MB~1GB	2.5V	0 °C~70 °C	-	CL2.5	200-pin



[More Detail](#)

Data rate	Model	Capacity	Voltage	Standard	Industrial OP Temp.	CL	Pin
DDR5-4800	PC5-38400	16GB~32GB	1.1V	0 °C~85 °C	-	CL40	262-pin
DDR4-3200	PC4-25600	4GB~32GB	1.2V	0 °C~85 °C	-40 °C~85 °C	CL22	260-pin
DDR4-2933	PC4-23400	4GB~32GB	1.2V	0 °C~85 °C	-40 °C~85 °C	CL21	260-pin
DDR4-2666	PC4-21300	4GB~32GB	1.2V	0 °C~85 °C	-40 °C~85 °C	CL19	260-pin
DDR4-2400	PC4-19200	4GB~32GB	1.2V	0 °C~85 °C	-40 °C~85 °C	CL17	260-pin
DDR4-2133	PC4-17000	4GB~32GB	1.2V	0 °C~85 °C	-40 °C~85 °C	CL15	260-pin
DDR3-1600	PC3-12800	1GB~16GB	1.35V/1.5V	0 °C~85 °C	-40 °C~85 °C	CL11	204-pin
DDR3-1333	PC3-10600	1GB~16GB	1.35V/1.5V	0 °C~85 °C	-40 °C~85 °C	CL9	204-pin
DDR3-1066	PC3-8500	1GB~16GB	1.35V/1.5V	0 °C~85 °C	-40 °C~85 °C	CL7	204-pin



[More Detail](#)

Data rate	Model	Capacity	Voltage	Standard	Industrial OP Temp.	CL	Pin
DDR4-2400	PC4-19200	8GB~16GB	1.2V	0 °C~85 °C	-40 °C~85 °C	CL19	300-pin
DDR4-2133	PC4-17000	8GB~16GB	1.2V	0 °C~85 °C	-40 °C~85 °C	CL17	300-pin



[More Detail](#)

Data rate	Model	Capacity	Voltage	Standard	Industrial OP Temp.	CL	Pin
DDR4-3200	PC4-25600	8GB~32GB	1.2V	0 °C~85 °C	-40 °C~85 °C	CL22	260-pin
DDR4-2933	PC4-23400	8GB~32GB	1.2V	0 °C~85 °C	-40 °C~85 °C	CL21	260-pin
DDR4-2666	PC4-21300	8GB~32GB	1.2V	0 °C~85 °C	-40 °C~85 °C	CL19	260-pin
DDR4-2400	PC4-19200	8GB~32GB	1.2V	0 °C~85 °C	-40 °C~85 °C	CL17	260-pin
DDR4-2133	PC4-17000	8GB~32GB	1.2V	0 °C~85 °C	-40 °C~85 °C	CL15	260-pin



[More Detail](#)

Data rate	Model	Capacity	Voltage	Standard	Industrial OP Temp.	CL	Pin
DDR5-4800	PC5-38400	16GB~32GB	1.1V	0 °C~85 °C	-	CL40	288-pin
DDR4-3200	PC4-25600	4GB~32GB	1.2V	0 °C~85 °C	-40 °C~85 °C	CL22	288-pin
DDR4-2933	PC4-23400	4GB~32GB	1.2V	0 °C~85 °C	-40 °C~85 °C	CL21	288-pin
DDR4-2666	PC4-21300	4GB~32GB	1.2V	0 °C~85 °C	-40 °C~85 °C	CL19	288-pin
DDR4-2400	PC4-19200	4GB~32GB	1.2V	0 °C~85 °C	-40 °C~85 °C	CL17	288-pin
DDR4-2133	PC4-17000	4GB~32GB	1.2V	0 °C~85 °C	-40 °C~85 °C	CL15	288-pin
DDR3-1600	PC3-12800	1GB~16GB	1.35V/1.5V	0 °C~85 °C	-40 °C~85 °C	CL11	240-pin
DDR3-1333	PC3-10600	1GB~16GB	1.35V/1.5V	0 °C~85 °C	-40 °C~85 °C	CL9	240-pin
DDR3-1066	PC3-8500	1GB~16GB	1.35V/1.5V	0 °C~85 °C	-40 °C~85 °C	CL7	240-pin



[More Detail](#)

Data rate	Model	Capacity	Voltage	Standard	Industrial OP Temp.	CL	Pin
DDR5-4800	PC5-38400	16GB~32GB	1.1V	0 °C~85 °C	-	CL40	288-pin
DDR4-3200	PC4-25600	4GB~128GB	1.2V	0 °C~85 °C	-40 °C~85 °C	CL22	288-pin
DDR4-2933	PC4-23400	4GB~128GB	1.2V	0 °C~85 °C	-40 °C~85 °C	CL21	288-pin
DDR4-2666	PC4-21300	4GB~64GB	1.2V	0 °C~85 °C	-40 °C~85 °C	CL19	288-pin
DDR4-2400	PC4-19200	4GB~64GB	1.2V	0 °C~85 °C	-40 °C~85 °C	CL17	288-pin
DDR4-2133	PC4-17000	4GB~64GB	1.2V	0 °C~85 °C	-40 °C~85 °C	CL15	288-pin
DDR3-1600	PC3-12800	1GB~8GB	1.35V/1.5V	0 °C~85 °C	-	CL11	240-pin
DDR3-1333	PC3-10600	1GB~8GB	1.35V/1.5V	0 °C~85 °C	-	CL9	240-pin
DDR3-1066	PC3-8500	1GB~8GB	1.35V/1.5V	0 °C~85 °C	-	CL7	240-pin



[More Detail](#)

Data rate	Model	Capacity	Voltage	Standard	CL	pin
DDR4-2666	PC4-21300	4GB~16GB	1.2V	0 °C~85 °C	CL19	260-pin
DDR4-2400	PC4-19200	4GB~16GB	1.2V	0 °C~85 °C	CL17	260-pin
DDR4-2133	PC4-17000	4GB~16GB	1.2V	0 °C~85 °C	CL15	260-pin



[More Detail](#)

Data rate	Model	Capacity	Voltage	Standard	Industrial OP Temp.	CL	Pin
DDR4-3200	PC4-25600	4GB~8GB	1.2V	0 °C~85 °C	-40 °C~85 °C	CL22	260-pin
DDR4-2933	PC4-23400	4GB~8GB	1.2V	0 °C~85 °C	-40 °C~85 °C	CL21	260-pin
DDR4-2666	PC4-21300	4GB~8GB	1.2V	0 °C~85 °C	-40 °C~85 °C	CL19	260-pin
DDR4-2400	PC4-19200	4GB~8GB	1.2V	0 °C~85 °C	-40 °C~85 °C	CL17	260-pin
DDR4-2133	PC4-17000	4GB~8GB	1.2V	0 °C~85 °C	-40 °C~85 °C	CL15	260-pin



[More Detail](#)

Data rate	Model	Capacity	Voltage	Standard	Industrial OP Temp.	CL	pin
DDR4-3200	PC4-25600	4GB~8GB	1.2V	0 °C~85 °C	-40 °C~85 °C	CL22	260-pin
DDR4-2933	PC4-23400	4GB~8GB	1.2V	0 °C~85 °C	-40 °C~85 °C	CL21	260-pin
DDR4-2666	PC4-21300	4GB~8GB	1.2V	0 °C~85 °C	-40 °C~85 °C	CL19	260-pin
DDR4-2400	PC4-19200	4GB~8GB	1.2V	0 °C~85 °C	-40 °C~85 °C	CL17	260-pin
DDR4-2133	PC4-17000	4GB~8GB	1.2V	0 °C~85 °C	-40 °C~85 °C	CL15	260-pin



[More Detail](#)

Data rate	Model	Capacity	Voltage	Standard	Height	CL	Pin
DDR4-3200 VLP	PC4-25600	4GB~32GB	1.2V	0 °C~85 °C	0.738"	CL22	288-pin
DDR4-2933 VLP	PC4-23400	4GB~32GB	1.2V	0 °C~85 °C	0.738"	CL21	288-pin
DDR4-2666VLP	PC4-21300	4GB~32GB	1.2V	0 °C~85 °C	0.738"	CL19	288-pin
DDR4-2400VLP	PC4-19200	4GB~32GB	1.2V	0 °C~85 °C	0.738"	CL17	288-pin
DDR4-2133VLP	PC4-17000	4GB~32GB	1.2V	0 °C~85 °C	0.738"	CL15	288-pin
DDR3-1600VLP	PC3-12800	1GB~8GB	1.35V/1.5V	0 °C~85 °C	0.738"	CL11	240-pin
DDR3-1333VLP	PC3-10600	1GB~8GB	1.35V/1.5V	0 °C~85 °C	0.738"	CL9	240-pin
DDR3-1066VLP	PC3-8500	1GB~8GB	1.35V/1.5V	0 °C~85 °C	0.738"	CL7	240-pin



[More Detail](#)

Data rate	Model	Capacity	Voltage	Standard	Height	CL	Pin
DDR4-3200 VLP	PC4-25600	4GB~32GB	1.2V	0 °C~85 °C	0.738"	CL22	288-pin
DDR4-2933 VLP	PC4-23400	4GB~32GB	1.2V	0 °C~85 °C	0.738"	CL21	288-pin
DDR4-2666VLP	PC4-21300	4GB~32GB	1.2V	0 °C~85 °C	0.738"	CL19	288-pin
DDR4-2400VLP	PC4-19200	4GB~32GB	1.2V	0 °C~85 °C	0.738"	CL17	288-pin
DDR4-2133VLP	PC4-17000	4GB~32GB	1.2V	0 °C~85 °C	0.738"	CL15	288-pin
DDR3-1600VLP	PC3-12800	1GB~8GB	1.35V/1.5V	0 °C~85 °C	0.738"	CL11	240-pin
DDR3-1333VLP	PC3-10600	1GB~8GB	1.35V/1.5V	0 °C~85 °C	0.738"	CL9	240-pin
DDR3-1066VLP	PC3-8500	1GB~8GB	1.35V/1.5V	0 °C~85 °C	0.738"	CL7	240-pin