

DRAM Product Line

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

 JEDEC Compliant Design

 Thermal Sensor

 CMTL Certified

UDIMM

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

VLP UDIMM

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	2GB~8GB	1.35V/1.5V	0 °C~85 °C	0.738"	CL11	240-pin
DDR3-1333 VLP	PC3-10600	2GB~8GB	1.35V/1.5V	0 °C~85 °C	0.738"	CL9	240-pin
DDR3-1066 VLP	PC3-8500	2GB~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

SODIMM

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

ECC SODIMM

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	2GB~16GB	1.35V/1.5V	0 °C~85 °C	-40 °C~85 °C	CL11	204-pin
DDR3-1333	PC3-10600	2GB~16GB	1.35V/1.5V	0 °C~85 °C	-40 °C~85 °C	CL9	204-pin
DDR3-1066	PC3-8500	2GB~16GB	1.35V/1.5V	0 °C~85 °C	-40 °C~85 °C	CL7	204-pin

ECC UDIMM

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	2GB~16GB	1.35V/1.5V	0 °C~85 °C	-40 °C~85 °C	CL11	240-pin
DDR3-1333	PC3-10600	2GB~16GB	1.35V/1.5V	0 °C~85 °C	-40 °C~85 °C	CL9	240-pin
DDR3-1066	PC3-8500	2GB~16GB	1.35V/1.5V	0 °C~85 °C	-40 °C~85 °C	CL7	240-pin



RDIMM

Data rate	Model	Capacity	Voltage	Standard	Industrial OP Temp.	CL	Pin
DDR5-4800	PC5-38400	16GB~128GB	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



SODIMM

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

Rugged SODIMM



Rugged SODIMM

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

XR-DIMM



XR-DIMM

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

VLP SODIMM



VLP SODIMM

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

VLP ECC SODIMM



VLP ECC SODIMM

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

VLP ECC UDIMM



VLP ECC UDIMM

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	2GB~8GB	1.35V/1.5V	0 °C~85 °C	0.738"	CL11	240-pin
DDR3-1333VLP	PC3-10600	2GB~8GB	1.35V/1.5V	0 °C~85 °C	0.738"	CL9	240-pin
DDR3-1066VLP	PC3-8500	2GB~8GB	1.35V/1.5V	0 °C~85 °C	0.738"	CL7	240-pin

VLP RDIMM



VLP RDIMM

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	4GB~8GB	1.35V/1.5V	0 °C~85 °C	0.738"	CL11	240-pin
DDR3-1333VLP	PC3-10600	4GB~8GB	1.35V/1.5V	0 °C~85 °C	0.738"	CL9	240-pin
DDR3-1066VLP	PC3-8500	4GB~8GB	1.35V/1.5V	0 °C~85 °C	0.738"	CL7	240-pin

VLP Mini ECC UDIMM



VLP Mini ECC UDIMM

Data rate	Model	Capacity	Voltage	Standard	CL	pin
DDR4-2666VLP	PC4-21300	4GB~16GB	1.2V	0 °C~85 °C	CL19	288-pin
DDR4-2400VLP	PC4-19200	4GB~16GB	1.2V	0 °C~85 °C	CL17	288-pin
DDR4-2133VLP	PC4-17000	4GB~16GB	1.2V	0 °C~85 °C	CL15	288-pin

VLP Mini RDIMM



VLP Mini RDIMM

Data rate	Model	Capacity	Voltage	Standard	CL	pin
DDR4-2666VLP	PC4-21300	4GB~8GB	1.2V	0 °C~85 °C	CL19	288-pin
DDR4-2400VLP	PC4-19200	4GB~8GB	1.2V	0 °C~85 °C	CL17	288-pin
DDR4-2133VLP	PC4-17000	4GB~8GB	1.2V	0 °C~85 °C	CL15	288-pin

Apacer

Industrial SSD and DRAM Solutions

SSD Product Line

FIPSTCG SSD

SV240 Series

December 2022

MO-297

MO-300

M.2 2280

2.5"

PCIe SSD

BGA SSD & M.2

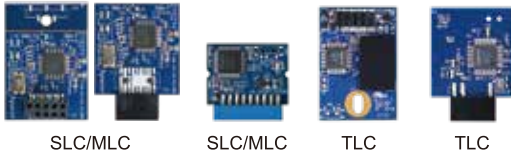
1620

2230

2242

2280

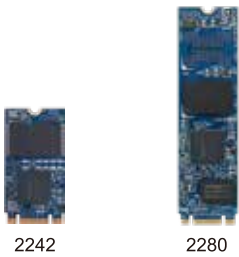
UDM
USB Disk Module



Industrial microSD SD
Industrial microSD & SD Card



SATA M.2 (NGFF)



SFD
SATA Flash Drive



- Capacity: 2.5"-3D TLC 240GB-1920GB, M.2 2280-3D TLC 240GB-1920GB, MO-300-3D TLC 240GB-1920GB, MO-297-3D TLC 240GB-960GB
- Interface: SATA 3.2 (6Gb/s)
- FIPS 140-2 Level 2 certified: certificate number #4386
- Supports TCG Opal 2.0 / AES 256-bit Encryption
- Supports Wide Temperature
- Supports SMART Read Refresh™
- S.M.A.R.T. function supported



Certificate #4386

- Connector/Form Factor: 2230/2242/2280-M.2 (NGFF) connector 1620-PCIe BGA SSD
- Capacity: 2230-3D TLC Double side: 60GB-480GB 2242-3D TLC Single side: 60GB, Double side: 60GB-960GB 2280-3D TLC Single side: 120GB, Double side: 240GB-7680GB 1620 3D TLC 240GB - 960GB
- Interface: 2230/2242-Compliant with PCIe Gen3 x2 interface 2242/2280-Compliant with PCIe Gen4 x 4 and Gen3 x 4 interfaces 1620-Compliant with PCIe Gen4 x4 interface
- Global Wear Leveling and flash block management
- Built-in LDPC ECC* and S.M.A.R.T. functions
- Built-in Hyper Cache Technology and Power Failure Management
- Build-in End-to-End Data Protection and Thermal Management Technique
- Supports Over-Provisioning Technology
- Supports Wide Temperature (M280 7680GB Standard Temperature only)
- Supports Anti-Sulfuration (PV220-M280 only)
- Support SLC-liteX Technology (PH930-M280, PH250-M280, PH250-M242 only)
- Supports CorePower PV25P-M280, PV25P-M242

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

- Capacity: SD Card-SLC 256MB-32GB, MLC 8GB-128GB, 3D TLC 32GB-256GB microSD Card-SLC 256MB-8GB, MLC 8GB-64GB, 3D TLC 32GB-256GB
- Compliant with SD3.0/ SD2.0 specifications
- Supports SD and SPI modes
- Global Wear Leveling and flash block management
- Low power consumption
- Read disturb management
- Smart Read Refresh™
- Support SLC-liteX Technology (optional)
- Supports Wide Temperature
- S.M.A.R.T. function supported
- Intelligent power failure recovery
- FTL: Page Mapping (optional)

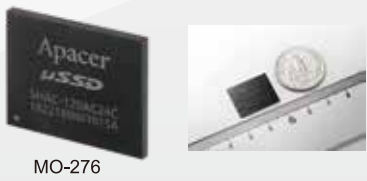
- Capacity: 2242-MLC 8GB-256GB, 3D TLC 30GB-1024GB 2280-MLC 32GB-1TB, 3D TLC 30GB-2048GB
- SATA 3 (6 Gbit/s) interface
- M.2 (NGFF) connector
- Global Wear Leveling and flash block management
- Built-in ATA Secure Erase and S.M.A.R.T. functions
- TRIM command available
- Supports DEVSLP (optional)
- Supports End-to-End Data Protection*
- Supports Over-Provisioning Technology*
- Supports TCG Opal (optional)
- Supports Thermal Throttling (optional)
- Hyper Cache Technology available*
- DataDefender™*
- Supports SLC-liteX Technology (optional)
- Instant Keychange™ (optional)
- Supports CorePower (SV24P-M280 only)
- Supports Anti-Sulfuration (SV250-M280, SH250-M280 only)
- Supports CoreSnapshot 2 Technology (SV25C-M280 only)

- Capacity: SLC 8GB-512GB, MLC 32GB-2TB, 3D TLC 30GB-7680GB (2.5")
- SATA 3 (6 Gbit/s) interface
- Global Wear Leveling and flash block management
- Built-in ATA Secure Erase, CoreSecurity, and S.M.A.R.T. functions
- Built-in thermal sensor
- Supports DEVSLP
- Supports Wide Temperature
- TRIM and NCQ commands available
- Hyper Cache Technology available*
- Supports Over-Provisioning Technology*
- DataDefender™ *
- Instant Keychange™ (optional)
- DataRAID™ *
- Supports TCG Opal (optional)
- Supports CorePower (SV24P-25 only)
- Supports End-to-End Data Protection*
- Supports CoreSnapshot 2 Technology (SV25C-25 only)
- Supports SLC-liteX Technology (optional)

PCIe CFexpress Card & U.2



μSSD BGA SSD



USB Drive



Industrial CF
Industrial CompactFlash



CFast
CFast Card



mSATA



SDM
SATA Disk Module



- Form Factor: CFexpress-Compliant with CFexpress 1.0 Type B
- Capacity: CFexpress-3D TLC 60GB-960GB, 2.5"-3D TLC 960GB-16384GB
- Interface: CFexpress-Compliant with NVMe 1.3 and PCIe Gen3 x2 interface U.2-Compliant with PCIe Gen3 x4 interface
- Global Wear Leveling and flash block management
- Built-in LDPC ECC and S.M.A.R.T. functions
- End-to-End Data Protection and Thermal Management
- Supports Over-Provisioning Technology
- Supports Wide Temperature (U.2 16384GB Standard Temperature only)
- Hyper Cache Technology (CFexpress only)
- Write Protect Switch (optional, CFexpress only)
- Supports CorePower (PV25P-CFX only)

- Capacity: 3D TLC 30GB-240GB
- Compliant with MO-276 standard (16 x 20 x 1.4 mm)
- SoC (System on Chip) / SiP (System in Chip) technology
- Built-in S.M.A.R.T. function
- Supports DEVSLP and Wide Temperature
- Hyper Cache Technology available
- Supports Over-Provisioning Technology
- Supports Write Protect (optional)
- DataRAID™
- TRIM command available

- Capacity: SLC 256MB-32GB, MLC 8GB-128GB, 3D TLC 128GB-256GB, SLC-liteX 32GB-64GB
- Compliant with USB3.2 Gen1 Type-C (UV110-UFD7) specifications
- Built-in ECC engine and S.M.A.R.T. functions
- Supports Wide Temperature (optional)
- Power saving implemented
- Features advanced Wear-Leveling algorithms
- 3D TLC support page mapping
- Chip-On-Board technology:water/moisture, dust, and shock resistant (UT110-UFD2 64GB only)
- Lock switch design for write-protection (UH110-UFD4: 4GB-8GB with SLC-liteX)
- ESD Prevention: Air discharge ±15KV (UV110-UFD5)

- 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
- Lock switch design for write-protection (CF6A-M/SL only)
- Supports Wide Temperature (optional)
- Support SLC-lite Technology (Industrial CF6A-SL only)
- Support SLC-liteX Technology (CH710-CF only)
- Write Protect Switch (optional)

- Capacity: SLC 4GB-64GB, MLC 8GB-256GB, 3D TLC 30GB-960GB, 3D SLC-liteX 10GB-320GB
- Advanced wear-leveling technology and flash block management
- Built-in ATA secure erase and S.M.A.R.T. functions
- TRIM command available
- Supports DEVSLP (optional)
- Support CorePower Technology (optional)
- Built-in LDPC ECC*
- Supports End-to-End Data Protection*
- Supports Over-Provisioning Technology
- Write Protect Switch (optional)

- Capacity: MO-300-SLC 2GB-128GB, MLC 8GB-512GB, 3D TLC 30GB-2048GB MO-300B-SLC 1GB-32GB, MLC 8GB-256GB, TLC 30GB-960GB
- Global Wear Leveling and flash block management
- Built-in ATA Secure Erase, CoreSecurity, and S.M.A.R.T. functions
- Supports Wide Temperature and thermal sensor
- Supports DEVSLP (optional)
- Supports TCG Opal
- Supports CorePower (SV25P-300 only)
- Supports End-to-End Data Protection*
- Supports Over-Provisioning Technology*
- Supports Write Protect (optional)
- TRIM command available
- Hyper Cache Technology available*
- DataDefender™ *
- DataRAID™ *
- Instant Keychange™ (optional)
- Supports SLC-liteX Technology (optional)

- Capacity: 7pin-SLC 1GB-32GB, MLC 8GB-256GB, 3D TLC 30GB-480GB 22pin-SLC 8GB-32GB, MLC 8GB-64GB
- 7pin/22pin connector
- Global Wear Leveling and flash block management
- Built-in ATA Secure Erase and S.M.A.R.T. functions
- Supports Wide Temperature and TRIM command
- Apacer Multi-Power Path technology (optional for 7pin SDM)
- Supports Over-Provisioning Technology*
- Supports Write Protect (optional)
- DataRAID™ *
- Intelligent power failure recovery