



CMP MEMORY™

Your trustworthy Flash Storage Partner

PRODUCT SELECTION GUIDE

AUTOMOTIVE • COMMUNICATIONS • INDUSTRIAL IoT & AI • NETWORKING • SECURITY • HEALTHCARE

WHY CHOOSE CMP MEMORY™ ?

- Fixed BOM Management
- Industrial Design and Process, High Reliability & Endurance
- Guaranteed Quality, 100% Original Flash Memory
- Long-term availability
- All industrial-grade Flash products are tested in High Temperature Dynamic Chamber
- Customized Sticker / Package Design/ Logo Printing / Preload /Firmware Optimization

TARGET MARKET & APPLICATION



INDUSTRIAL AUTOMATION

- Process / motion control
- Industrial PC/ Embedded
- Industrial Measurement
- Building Technology
- Identification / Access System



INFOTAINMENT

- POS Terminals
- Information Terminals
- Ticket/ Vending Terminals
- Digital Signage & Advertising
- Casino/ Amusement Gaming
- Online Gaming/Slot Machines
- VLTs & Lottery Terminals



TRANSPORTATION

- Multifunctional Terminals
- Data Recorders
- Advanced Driver Assistance Systems
- Logistics Telematics
- Digital Tachograph
- Rear-view Monitor
- Data Logger



ENTERPRISE MOBILITY

- Mobility ERP
- Barcode Scanning and Data Collection
- Mobile Payment
- Field Handheld- Computing
- Mobile Healthcare



SECURITY

- Surveillance
- Audit trails
- License protection
- Secure update
- Secure voice communication
- Authentication and authorization
- Data encryption and protection



HEALTHCARE

- Diagnostics
- Data logging / Imaging
- Mobile Medical Device
- Fetal Monitoring
- Sonogram/ Ultra Sound
- Fluoroscopy / Radiation Oncology
- Patient Monitoring System
- Pain Management Devices



AUTOMOTIVE

- Navigation System
- Entertainment
- Head unit/ Dashboard
- Black Box / Crash Recorder
- Drive Recorder
- Fleet Surveillance
- In Vehicle Computer
- Train Control and Monitoring
- Instrument cluster
- Dash cam



NETWORKING & COMMUNICATION

- Base Station
- Radio Network Controller
- Video/IPTV transcoding/storage
- Signaling Gateway
- Enterprise Media Gateway
- Switches/Routers/Gateways/Servers
- Small Cell
- Firewall Appliances
- Optical Network
- WAN Optimization Appliances
- Tetra Base Station



AEROSPACE & DEFENCE

- In-Flight Entertainment & Communication
- Combat Management
- Battlefield Sensor System
- Unmanned system payloads

AI & Industrial IoT

- Industrial Robotics
- Educational Robot
- EtherCAT Motion
- Robot DMS
- Industry 4.0 Solution
- Industrial Network
- DMS 4.0



PRODUCT FEATURES

- Industrial Temperature support
- Quick Erase-Erase all data, tables and hidden area
- Support Hardware-based or Firmware PLP (Power Loss Protection)
- Write Protect or Ready only
- Thermal Monitoring
- End to end data protection
- Data Self-destruction
- AES / TCG Opal Data Encryption
- Wear Leveling & Bad Block Detection
- TRIM Support
- S.M.A.R.T. Enable (LIFE TIME MONITORING)
- Device Sleep Mode (DEVSLP)
- Auto Refresh- Read Disturb Protector
- RoHS / AEC-Q100 / REACH / WEEE compliant and CE / FCC certification
- ISO 9001 / ISO 14001 / ISO 27001 / OHSAS 18001 quality standard

NAND FLASH TECHNOLOGY COMPARISON

	2D TLC	MLC	SLC	pSLC	3D TLC
Chip Capacity	●●●●●	●●●	●	●●	●●●●●●
Cost per Bit	●●	●●●	●●●●●●	●●●●●	●
Reliability & Endurance	●	●●	●●●●●	●●●●●	●●
Industrial Temperature	●	●●●	●●●●●	●●●	●●
Write Performance	●	●●	●●●●●	●●●●●	●●●
ECC Requirement	●●●	●●	●	●●	●●●●●
Data Retention	●	●●●	●●●●●	●●●	●●●
Longevity	●	●●	●●●●●	●●	●

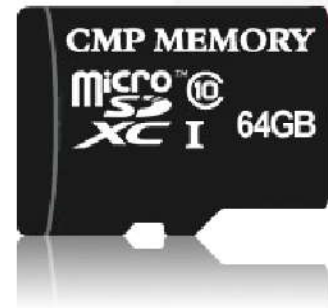
●●●●● maximum ●●●● highest ●●● high ●● medium ● low

SD CARD



	SD/SDHC card	SDXC card	SDHC Card
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Model No.	SDI-910	SDC-910	SDC-911
Interface	SD3.0-USH-I	SD3.0-USH-I	SD6.1-USH III
Flash Type	2D SLC/MLC/pSLC	2D MLC	3D TLC
Capacity	SLC: 1GB - 32GB MLC: 4GB - 128GB pSLC: 4GB - 32GB	64GB /128GB/ 256GB/ 512GB	16GB - 1TB
Max Channel	2 CH	2 CH	1 CH
Sequential R/W (MB/sec.max)	SLC: Up to 65/55MB/s MLC: Up to 95/90MB/s pSLC: Up to 95/90MB/s	Up to 95/75MB/s	3D TLC: 100/80MB/s
Op. Temperature	Extended: -25°C~85°C Industrial: -40°C~85°C	Extended: -25°C~85°C	Commercial: 0°C~70°C Extended: -25°C~85°C
Features	<ol style="list-style-type: none"> 1. SMART tool 2. DCS Power Loss Protection 3. Advanced wear-levelling 4. Auto-Read Refresh 5. AEC-Q100 	<ol style="list-style-type: none"> 1. SMART tool 2. DCS Power Loss Protection 3. Advanced wear-levelling 4. Auto-Read Refresh 	<ol style="list-style-type: none"> 1. SMART tool 2. DCS Power Loss Protection 3. Advanced wear-levelling 4. Auto-Read Refresh 5. End to end data path protection 6. Power on self test circuit
Application	<ul style="list-style-type: none"> • Drive Recorder • Navigation System/GPS • Industrial PC/Server • Drones • Surveillance systems • Network cameras • Medical devices • Test and Measurement • In-vehicle infotainment (IVI) • Advanced Driver Assistance Systems (ADAS) 	<ul style="list-style-type: none"> • Surveillance cameras • Drones • Industrial IoT gateways • Factory Automation • Network Cameras • Professional Cameras • High-resolution Camcorders • Drive recorders • Navigations / Maps 	<ul style="list-style-type: none"> • 4K, 8K, • 3-D & 360-degree video recordings • Drones • Mobile/Handheld computers



	microSD/ microSDXC	microSDHC / microSDXC
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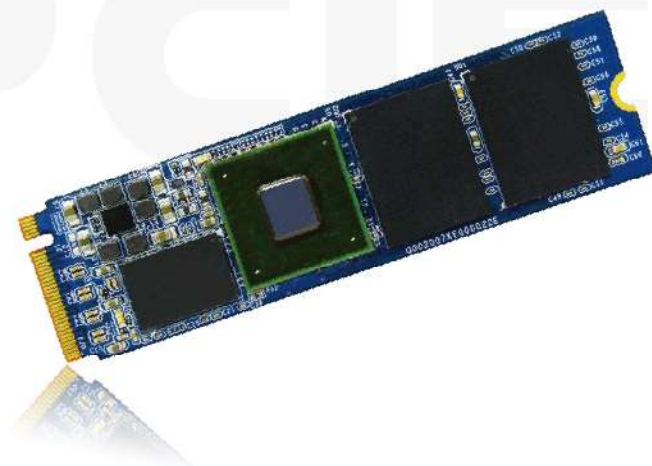
Model No.	TFI-810	TFI-811
Interface	SD3.0-USH-I	SD6.1-USH III
Flash Type	2D SLC/MLC/pSLC	3D TLC / pSLC
Capacity	SLC: 1GB - 4GB MLC: 4GB - 128GB pSLC: 4GB - 32GB	3D TLC: 16GB - 256GB 3D pSLC: 8GB - 64GB
Max Channel	2 CH	1 CH
Sequential R/W (MB/sec.max)	SLC: Up to 20/20MB/s MLC: Up to 95/90MB/s pSLC: Up to 95/90MB/s	3D TLC: 95/75MB/s 3D pSLC: 95/75MB/s
Op. Temperature	Extended: -25°C~85°C Industrial: -40°C~85°C	Commercial: 0°C~70°C Extended: -25°C~85°C Industrial: -40°C~85°C
Features	<ol style="list-style-type: none"> 1. SMART tool 2. DCS Power Loss Protection 3. Advanced wear-leveling 4. Auto-Read Refresh 	<ol style="list-style-type: none"> 1. SMART tool 2. DCS Power Loss Protection 3. Advanced wear-leveling 4. Auto-Read Refresh 5. End to end data path protection 6. Power on self test circuit
Application	<ul style="list-style-type: none"> • Drive Recorder • Navigation System & GPS • Video surveillance • Industrial PC/Server • Drones & Kiosks • Internet of Things (IoT) 	<ul style="list-style-type: none"> • 4K Cameras • Smartphones • Video surveillance • Drones • Internet of Things (IoT) • infotainment systems



	CompactFlash card	CompactFlash Card 800X	CompactFlash Card 1066X
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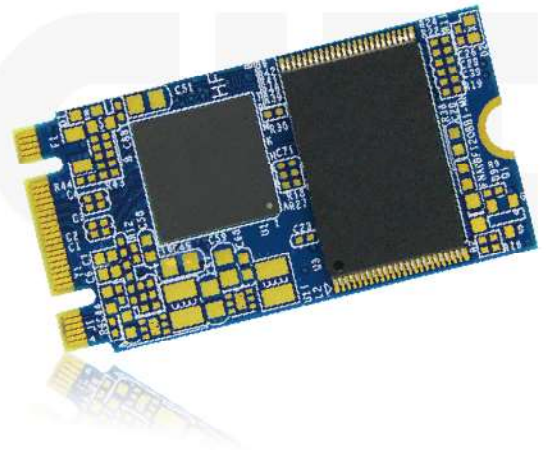
Model No.	CFI-509	CFC-509	CFC-5010
Interface	PCMCIA/IDE		
Form Factor	CF card		
Flash Type	2D MLC/pSLC/SLC	2D MLC	3D TLC NAND
Capacity	SLC: 1GB - 64GB MLC: 4GB - 128GB pSLC: 2GB - 32GB	8GB - 128GB	16GB - 256GB
Max Channel	2 CH	2 CH	4 CH
Data Transfer Mode	PIO Mode 0~6 Multi-Word DMA Mode 0~4 Ultra DMA Mode 0~7	PIO Mode 6 Multi-Word DMA Mode 4 Ultra DMA Mode 7	PIO Mode 6/Multi Word DMA Mode 4/ PCMCIA Ultra/DMA Mode 5/ Ultra DMA Mode 7
Sequential R/W (MB/sec.max)	SLC: Up to 88/85MB/s MLC: Up to 100/80MB/s pSLC: Up to 70 / 60MB/s	Up to 110/80MB/s	Up to 160/145MB/s
Random Read/Write	TBD	TBD	8/25MB
Op. Temperature	Commercial: 0°C~70°C Industrial: -40°C ~85°C	Commercial: 0°C~70°C	Commercial: 0°C~70°C Industrial: -40°C ~85°C
MTBF	2,000,000hrs		
Features	<ol style="list-style-type: none"> Compliant with CFA 6.0/3.0 specifications Error Correction Code (ECC) Static/Dynamic Wear leveling Bad Block Management Secure Erase Power Management Write Protect 		<ol style="list-style-type: none"> VPG 20 and VPG 65 Compliant TRIM Bad Block Management Firmware Update Smart Refresh™ Security erase Write Protect Intelligent ECC Capacity (LDPC or SECC) Global Wear Levelling
Application	<ul style="list-style-type: none"> OS Storage GPS / POS Drive recorder Camera Server Industrial PC/machines Medical devices Automatic Ticket Vending Machines Automatic Ticket Gates Pass-Vending Machines KIOSKS 	<ul style="list-style-type: none"> OS Storage GPS / POS Drive recorder Camcorder Server Industrial PC Medical devices Automatic Ticket Vending Machines Automatic Ticket Gates Pass-Vending Machines KIOSKS 	<ul style="list-style-type: none"> 4K Video recording Camcorders Digital single-lens reflex & mirrorless cameras

M2 PCIe



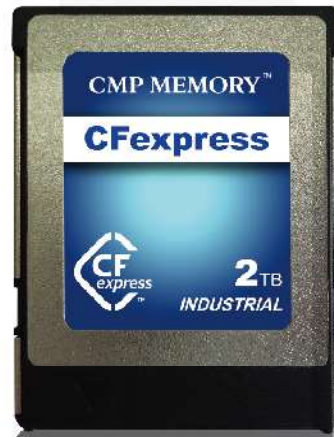
M.2 2280 PCIe SSD

Model No.	P80-E8	P80-E8T	P80-E12	P80-E12C	P80-E13T	P80-E16
Capacity	128GB - 1TB	32GB - 1TB	256GB - 8TB	128GB - 512GB	128GB - 2TB	512GB - 2TB
Interface	PCIe Gen3x2 NVMe		PCIe Gen3x4 NVMe		PCIe Gen4x4 NVMe	
Form Factor	M.2					
Flash Type	3D TLC					
Max Channel	4	4	8	4	4	8
Extended DRAM	DDR3/DDR3L	DRAM-Less	DDR3L/DDR4	DDR3L/DDR4	DRAM-Less	DDR4
Security	AES	AES	AES/TCG Opal	AES/TCG Opal	AES/TCG Opal	AES/TCG Opal
Sequential Read/Write (up to)	1600/1100MB/s	1600/1100MB/s	3450/3150MB/s	2100/1700 MB/s	2500/2100MB/s	5000/4400MB/s
Random Read/Write(up to)	240K/180KIOPS	230K/180KIOPS	600K/600KIOPS	420K/420KIOPS	350K/ 450KIOPS	420K/420KIOPS
Dimension (LxWxH/mm)	80 x 22 x 1.5					
Op. Temperature	Commercial: 0°C~70°C Industrial: -40°C ~85°C					
Features	<ol style="list-style-type: none"> LDPC Power loss Data Protection End-to-End Data Protection Encryption Thermal Monitoring TCG OPAL & Pyrite support Best in class speed & reliability 					
Application	PC/ Laptop					



M.2 2242 PCIe SSD

	P42-E8	P42-E8T	P42-E13T
Model No.	P42-E8	P42-E8T	P42-E13T
Capacity	128GB - 1TB	64GB - 512GB	128GB - 2TB
Interface	PCIe Gen3x2 NVMe	PCIe Gen3x2 NVMe	PCIe Gen3x4 NVMe
Form Factor	M.2	M.2	M.2
Flash Type	3D TLC	3D TLC	3D TLC
Max Channel	4	4	4
External DRAM	DDR3/DDR3L	DRAM-Less	DRAM-Less
Sequential Read/Write (up to)	1600/1100MB/s		2500/2100MB/s
Random Read/Write	240K/180KIOPS		350K/450KIOPS
Security	AES		AES/ TCG Opal
Dimension (LxWxH/mm)	42 x 22 x 1.5		
Op. Temperature	Commercial: 0°C~70°C Industrial: -40°C~85°C		Commercial: 0°C~70°C
Features	1. StrongECC + RAID 2. Power loss Data Protection 3. End-to-End Data Protection 4. Encryption 5. Thermal Monitoring 6. TCG OPAL & Pyrite support 7. Best in class speed & reliability		
Application	PC/ Laptop		



CFexpress PCIe SSD

Model No.	C21-E8T	C21-E13T
Capacity	64GB - 512GB	128GB - 2048GB
Interface	PCIe Gen3x2 NVMe	
Form Factor	CFX Type B	
Flash Type	3D TLC	
Connector	21 pins	
External DRAM	DRAM-Less	
Channel	4	
Sequential Read/Write (up to)	1550/950 MB/s	2500/2100MB/s
ECC Engine	SECC + RAID ECC	LDPC + RAID ECC
Operating Voltage	3.3V±5%	3.3V±5%
Security	AES/ TCG Opal/Pyrite	AES/ TCG Opal/Pyrite
Op. Temperature	Commercial: 0°C~70°C Industrial: -40°C ~85°C	Commercial: 0°C~70°C Industrial: -40°C ~85°C
Dimension (LxWxH/mm)	29.6 x 38.5 x 3.8	
Features	<ol style="list-style-type: none"> 1. End to end data path protection 2. Thermal throttling 3. SmartECC 4. SmartRefresh 5. Drive log 6. Support HMB(Host Memory Buffer) 7. High IOPS with lower power; good for HD image catching or high-level Camcorder recording 	<ol style="list-style-type: none"> 1. End to end data path protection 2. Thermal throttling 3. SmartECC 4. SmartRefresh 5. Drive log 6. Support HMB(Host Memory Buffer)
Application	<ul style="list-style-type: none"> • Digital imaging (High-end DSLRs and mirrorless still cameras, Broadcast CamCorder) • Cloud Computing • Transportation • Embedded & IPC • Gaming 	

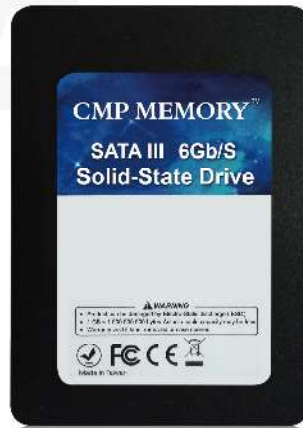


M.2 2280 SATA SSD

M.2 2242 SATA SSD

	M.2 2280 SATA SSD			M.2 2242 SATA SSD	
Model No.	S80-11T	S80-12	S80-13T	S42-11T	S42-12
Capacity	SLC: 8GB - 128GB MLC: 4GB - 512GB pSLC: 2GB - 256GB 3D TLC: 32GB - 1TB	pSLC: 2GB - 256GB 3D TLC: 32GB - 512GB	3D TLC: 128GB - 2TB	SLC: 8GB - 64GB MLC: 4GB - 512GB pSLC: 2GB - 256GB 3D TLC: 32GB - 512GB	128GB - 512GB
Interface	SATA III			SATA III	
Form Factor	M.2			M.2	
Flash Type	SLC/MLC/pSLC/3D TLC	pSLC/3D TLC	3D TLC	SLC/MLC/pSLC/3D TLC	3D TLC
Max Channel	2	8	4	4	4
Extended DRAM	DRAM-Less	DDR3L/DDR4	DRAM-Less	DRAM-Less	DDR4X1
Security	AES	AES/TCG Opal	AES/TCG Opal	N/A	AES/TCG Opal
Sequential Read/Write (up to)	SLC: 540/420MB/s MLC: 550/490MB/s pSLC: 550/490MB/s 3D TLC: 550/500MB/s	pSLC: 550/530MB/s 3D TLC: 550/540MB/s	550/520MB/s	SLC: 540/310MB/s MLC: 550/490MB/s pSLC: 550/490MB/s 3D TLC: 550/490MB/s	550/530MB/s
Random Read/Write(up to)	85K/80KIOPS	98K/90KIOPS	95K/90KIOPS	85K/80KIOPS	98K/90KIOPS
PLP	Support Firmware PLP	Support Hardware PLP	N/A	N/A	Support HW PLP
Dimension (LxWxH/mm)	80 x 22 x 3.8			42 x 22 x 3.75	
Op. Temperature	Commercial: 0°C~70°C Industrial: -40°C ~85°C			Commercial: 0°C~70°C Industrial: -40°C ~85°C	
Features	1. Power Loss 2. Data Protection 3. Write Protection 4. Quick Erase 5. Thermal Monitoring 6. LDPC + RAID	1. Power Loss Data Protection 2. Write Protection 3. Quick Erase 4. Thermal Monitoring 5. TCG Opal	1. Write Protection 2. Quick Erase 3. Thermal Monitoring 4. TCG Opal	1. Write Protection 2. Quick Erase 3. Thermal Monitoring	1. Power Loss 2. Data Protection 3. Write Protection 4. Quick Erase 5. Thermal Monitoring 6. LDPC + RAID
Application	PC/ Laptop			PC/ Laptop	

SATA SSD



2.5 inch SATA SSD

1.8 inch SATA SSD

Model No.	S25-10	S25-11T	S25-12	S25-13T	S18-11T
Capacity	SLC: 8GB - 128GB MLC: 4GB - 512GB pSLC: 2GB - 256GB 3D TLC: 32GB - 1TB	pSLC: 2GB - 256GB 3D TLC: 32GB - 512GB	256GB - 8TB	128GB - 2TB	SLC: 8GB - 128GB MLC: 32GB - 512GB pSLC: 16GB - 256GB
Interface	SATA III				SATA III
Form Factor	2.5 inch				1.8 inch
Flash Type	SLC/MLC/pSLC/3D TLC		3D TLC		SLC/MLC/pSLC/3D TLC
Max Channel	8	2	8	4	2
Extended DRAM	DDR3/DDR3L	DRAM-Less	DDR3L/DDR4	DRAM-Less	DRAM-Less
Security	AES/TCG Opal	N/A	AES/TCG Opal	AES/TCG Opal	N/A
Sequential Read/Write (up to)	SLC: 540/420MB/s MLC: 550/470MB/s pSLC: 550/470MB/s 3D TLC: 550/530MB/s		550/530MB/s	550/520MB/s	SLC: 540/420MB/s MLC: 550/470MB/s pSLC: 550/470MB/s 3D TLC: 550/500MB/s
Random Read/Write(up to)	100K/90K IOPS	95K/85K IOPS	98K/90K IOPS	95K/ 90K IOPS	95K/85K IOPS
MTBF	MLC/3D TLC: 2,000,000 hrs pSLC: 2,500,000 hrs. SLC: 3,000,000 hrs.		>3 million hours		MLC: 2,000,000 hrs pSLC: 2,500,000 hrs SLC: 3,000,000 hrs
Dimension (LxWxH/mm)	100.1 x 69.85 x 7				78.5 x 54 x 5
Op. Temperature	Commercial: 0°C~70°C Industrial: -40°C ~85°C				Commercial: 0°C~70°C Industrial: -40°C ~85°C
Features	<ol style="list-style-type: none"> 1. End to end data protection 2. Power Loss Data Protection 3. Write Protection 4. Quick Erase 5. TRIM command 6. Thermal Monitoring 				<ol style="list-style-type: none"> 1. End to end data protection 2. Power Loss Data Protection 3. Write Protection 4. Quick Erase 5. TRIM command 6. Thermal Monitoring
Application	<ul style="list-style-type: none"> • Rugged Computers • Combat • Unmanned Vehicle Systems 		<ul style="list-style-type: none"> • Communication Systems • Management Systems • Automotive (Engine Control Unit, Instrument Cluster, Real-view Camera) 		<ul style="list-style-type: none"> • Server • Retail • Automation • Casio Gaming • Industrial / Embedded



mSATA (MO-300)

mSATA Mini (MO-300B)

Half Slim (MO-297)

Model No.	MOA-11T	MOA-10C	MOB-11T	MOH-10C	MOH-11T
Capacity	SLC: 8GB - 128GB MLC: 4GB - 1TB pSLC: 2GB - 256GB 3D TLC: 32GB - 1TB	SLC: 32GB - 128GB MLC: 64GB - 1TB	MLC: 4GB - 32GB pSLC: 2GB - 16GB 3D TLC: 32GB - 256GB	SLC: 8GB - 64GB MLC: 4GB - 512GB pSLC: 2GB - 256GB 3D TLC: 32GB - 512GB	SLC: 8GB - 128GB MLC: 4GB - 1TB pSLC: 2GB - 256GB 3D TLC: 32GB - 1TB
Interface	SATA III 6Gbps (backward compatible to SATA I/II)				
Form Factor	mSATA MO-300A		mSATA mini MO-300B	Half Slim MO-297	
Flash Type	SLC/MLC/pSLC/3D TLC	SLC/MLC	MLC/pSLC/3D TLC	SLC/MLC/pSLC/3D TLC	SLC/MLC/pSLC/3D TLC
Max Channel	2	8	2	2	-
Extended DRAM	DRAM-Less	DDR3/DDR3L	DRAM-Less	DRAM-Less	DDR4X1
Security	N/A	AES/ TCG Opal	N/A	N/A	AES/ TCG Opal
Sequential Read/Write (up to)	SLC: 540/420MB/s MLC: 550/490MB/s pSLC: 550/490MB/s 3D TLC: 550/500MB/s	SLC: 530/490MB/s MLC: 540/520 MB/s	MLC: 550/160MB/s pSLC: 550/160MB/s 3D TLC: 550/500MB/s	SLC: 540/310MB/s MLC: 550/490MB/s pSLC: 550/490MB/s 3D TLC: 550/490MB/s	550/530MB/s
Random Read/Write(up to)	82K/86K IOPS	90K/80K IOPS	95K/85K IOPS	85K/80K IOPS	98K/90K IOPS
PLP	N/A	Support PLP Circuit	N/A	-	N/A
MTBF	MLC/3D TLC: 2,000Khrs pSLC: 2,500Khrs SLC: 3,000Khrs	MLC: 2,000Khrs SLC: 3,000Khrs	MLC/3D Bics3: 2,000Khrs pSLC: 2,500Khrs	MLC/3D TLC: 2,000Khrs pSLC: 2,500Khrs	MLC/3D TLC: 2,000Khrs pSLC: 2,500Khrs SLC: 3,000Khrs
Dimension (LxWxH/mm)	50.8 x 29.85 x 4		26.8 x 29.85 x 4	54 x 39 x 4	
Op. Temperature	Commercial: 0°C~70°C Industrial: -40°C ~85°C				
Features	<ol style="list-style-type: none"> 1. TRIM command 2. Write Protection 3. Quick Erase 4. Thermal Monitoring 5. Data Loss Protection End to End Data Protection 		<ol style="list-style-type: none"> 1. Static and Dynamic 2. Wear Leveling 3. Bad Block 4. Management 5. TRIM 6. SMART 7. Over-Provision 	<ol style="list-style-type: none"> 1. TRIM command 2. Write Protection 3. Quick Erase 4. Thermal Monitoring 5. Data Loss Protection End to End Data Protection 	
Application	<ul style="list-style-type: none"> • Rugged tablet PC • Set-top box Internet-enabled TV • Industrial PC / Single-board computer • Digital signage • Industrial automation & control • Test & measurement instrumentation • Blade server • Gateway / Switch • Network firewall • Video surveillance • Black box data recorder • GPS and telematics • In-vehicle infotainment • Multi-function printer 		<ul style="list-style-type: none"> • POS • Set-top Box • Multi Function • Printer • Notebook • Rugged tablet PC • Industrial PC 	<ul style="list-style-type: none"> • Rugged tablet PC • Set-top box Internet-enabled TV • Industrial PC Single-board computer • Digital signage • Industrial automation & control • Test & measurement instrumentation • Blade server • Gateway / Switch • Network firewall • Video surveillance • Black box data recorder • GPS and telematics • In-vehicle infotainment • Multi-function printer 	



	USB Flash Module	USB 3.0 Flash Drive (Robust)
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	USB Flash Module	USB 3.0 Flash Drive (Robust)
Model No.	U2M-03	U3D-03
Capacity	SLC: 1GB - 32GB MLC: 4GB - 64GB pSLC: 2GB - 32GB	2D SLC: 128MB - 32GB 2D MLC: 4GB - 128GB 2D pSLC: 2GB - 256GB
Interface	USB2.0	USB3.0 Gen 1
Form Factor	Horizontal	Standard
Connector	10 pin	Type-A
Flash Type	SLC/MLC/pSLC	SLC/MLC/pSLC
Channel	2	2
Sequential Read/Write (up to)	up to 34/25MB/sec	2D SLC: 170/120MB/s 2D MLC: 190/140MB/s 2D pSLC: 190/125MB/s
Shocks	1500G@0.5ms	1500G@0.5ms
Vibration	20G@80Hz~2000Hz	20G@80Hz~2000Hz
Data Retention	10 years	10 years
MTBF	SLC: 3,000,000 hrs MLC: 2,000,000 hrs pSLC: 2,500,000 hrs	2D SLC: 3,000,000 hrs 2D MLC: 2,000,000 hrs 2D pSLC: 2,500,000 hrs
Endurance	~2,000,000 erase / write	~2,000,000 erase / write
Dimension (LxWxH/mm)	37.90 x 26.65 x 7.40	55.80 x 18.00 x 9.00
Op. Temperature	Commercial: 0°C~70°C Industrial: -40°C~85°C	Commercial: 0°C~70°C Industrial: -40°C~85°C
Features	<ol style="list-style-type: none"> Compliant with High Speed USB 2.0 (backward compatible with USB 1.1 ports) Advanced wear leveling algorithms and ECC Fixed disk and removable configuration options Controlled BOM & FW 	<ol style="list-style-type: none"> USB 3.1 flash drive with backwards compatibility (USB 3.0, USB 2.0) Advanced Flash Management: ECC, Static & Dynamic Wear Leveling, Bad Block Management Metal housing for robust usage 30µ golden finger for highly reliable data transfer quality Commercial and industrial temperature grade Controlled BOM & FW
Application	<ul style="list-style-type: none"> Industrial Embedded Systems Medical Solutions Point-of-Sales Gaming Industry Automation Solutions 	<ul style="list-style-type: none"> Embedded Computing Networking Equipment Industrial PCs Automation Test and measurement Surveillance & Navigation Mobile computers IoT Casino gaming

SATA 7-pin Flash Module

	SATA 7-pin Flash Module
Model No.	S7V-11T /S7R-11T /S7L-11T
Capacity	SLC: 1GB up to 64GB MLC: 4GB up to 256GB pSLC: 2GB up to 128GB
Interface	SATA 3.0 (6Gb/s)
Form Factor	SATA Disk Module Vertical / Horizontal left & Right
Connector	SATA 7-Pin
Flash Type	SLC/MLC/pSLC
Sequential Read/Write (up to)	SLC: 500/150MB/s MLC: 500/180MB/s pSLC: 500/180MB/s
Random Read/Write(up to)	85K/80KIOPS
Channel	4
Dimension (LxWxH/mm)	44.70 x 22.20 x 1.0
Op. Temperature	Commercial: 0°C~70°C Industrial: -40°C~85°C
MTBF	>3 million hours
Features	<ol style="list-style-type: none"> Power Loss Data Protection Write Protection Quick Erase Thermal Monitoring
Application	PC/ Laptop

Note: *Speed may vary due to host hardware, software, usage, and storage capacity

Let us help You find A Solution To Fit your Needs



SWEDEN



Powermec AB
Bergkällavägen 27D
192 79 Sollentuna,
SWEDEN

Tel: +46 8 444 36 50
Fax: +46 8 626 84 50
info@powermec.se
www.powermec.se

POLAND



Powergate Sp. z o.o.
ul. Mała 1B
42-605 Tarnowskie Góry
Poland

Tel./Fax: +48 32 287 32 28
info@powergate.pl
www.powergate.pl

DANMARK



Power Technic ApS
Elsensbakken 19
DK-3600 Frederikssund
Danmark

Telefon: (+45) 70 208 210
salg@powertechnik.dk
www.powermec.dk

NORWAY



Powermec AS
Soliveien 264
1667 Rolvsøy,
NORWAY

Tel: +47 693 98 000
Fax: +47 693 98 001
order@powermec.no
www.powermec.no

Taiwan



Powermec AB
7F., No. 181-2, Sec. 2,
Baoan St., Shulin Dist.,
New Taipei City 238,
TAIWAN

Tel: +886 2 86 88 17 05
Fax: +886 2 86 88 84 73
www.powermec.com.tw