

2019

Product Overview



Enterprise Solutions

Super Talent understands what it takes to hold up under the high demands of enterprise computing. Our server memory is 100% JEDEC compliant and is fully validated on a variety of server platforms. Our enterprise class SSDs deliver fast sequential and random transfer speeds. All our server products are designed and built with uncompromising quality.

PCIe Nova (U.2)



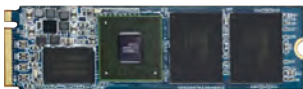
Super Talent's PCIe Nova is a choice for those wishing to push SSD performance even higher with the advanced NVMe technology. The PCIe Nova drive allows the increased speeds up to Read/Write of 3000/2200 MB/s and 4KB random Read/Write of 340K/260K iops through the SFF8639 port.

Features

- Interface : PCIe x4 (Gen3) U.2
- Max Speed: Read up to 3.0 GB/s, Write up to 2.2 GB/s
- Capacities up to 2TB

Specification	PCIe Nova
Interface	PCIe x4 (Gen3)
Form Factor	PCIe NVMe 2.5"(U.2)
Capacity	64GB – 2TB
Read/Write (MB/s)	3000/2200
Dimensions (mm)	69.85 x 100.0 x 9.5
Part Number	FPGxxxPS2B

M.2 PCIe NVMe DX3



The M.2 PCIe NVMe DX3 features outstanding performance in the M.2 form factor with smaller dimensions and reliability are very important. With read speeds of up to 2500 MB/s and write speeds of up to 720 MB/s, the M.2 PCIe SSD DX3 is a great SSD for enterprise solutions. It is available in 120GB to 480GB capacities.

Features

- PCIe Gen3 x4
- Max Speed: Read up to 2500 MB/s, Write up to 720MB/s
- Capacities up to 480GB

Specification	M.2 PCIe DX3
Interface	PCIe Gen3 x4
Form Factor	M.2 (NGFF)
Capacity	120GB – 480GB
Read/Write (MB/s)	2500/720
Dimensions (mm)	22.0 x 80.0 x 3.5
Part Number	FPGxxxPSR7

M.2 PCIe NVMe EX6



The M.2 PCIe NVMe EX6 features outstanding performance in the M.2 form factor and PCIe Gen3 interface with smaller dimensions for mobile computing where speed and reliability are very important. With read speeds of up to 1800 MB/s and write speeds of up to 1200 MB/s, the M.2 PCIe NVMe EX6 is a great solution for mobile applications. It is available in 120GB to 1TB capacities.

Features

- PCIe Gen 3 x4 lane host interface
- Max Speed: Read up to 1800 MB/s, Write up to 1200 MB/s
- Capacities up to 1TB

Specification	M.2 PCIe NVMe EX6
Interface	PCIe Gen 3x4
Form Factor	M.2 (2280)
Capacity	120GB-1TB
Read/Write (MB/s)	1800/1200
Dimensions (mm)	22.0 x 80.0 x 3.8
Part Number	FP1xxxMWR7

DuraDrive SSDs

Super Talent's DuraDrive SSDs represent state-of-the-art storage solutions for industrial, medical, and embedded applications. These SSDs deliver unprecedented tolerances to vibration, shock, humidity, altitude, and temperatures while maintaining impressive speeds. Our industrial grade DuraDrive line is rigorously tested.

Super Talent is already on the road!

- Major manufacturers have already qualified our product for their IVI (in-vehicle infotainment) systems
- Our SSDs are currently in mass production to meet your needs today

All terrain means our SSDs are durable

- Rated for industrial level temperatures (-40°C to 85°C)
- Integrated SPOR (Sudden Power Off Recovery) algorithm
- Withstands vibration and shock because it has no moving parts
- Supports various form factors to fit into your vehicle or device (2.5", 1.8", mini PCIe and custom BGA)







Standard SSD options

- Built in ECC (error correcting code) for reliability
- Lasts longer using the wear leveling algorithm
- Currently supports Windows CE operating system
- Android, GENIVI and MeeGo support coming soon
- Available in MCP (multi-chip packaging) for a smaller footprint in your system

SSDs perform at highway speeds

- Uses high bandwidth connections such as SATA-III
- High read/write speeds




Specification	DuraDrive AT7	DuraDrive ET4	DuraDrive ZT4	DuraDrive KX4
				
Interface	SATA III	IDE/PATA	IDE/ZIF-40	uSATA-III
Form Factor	2.5 "	2.5"	1.8"	1.8" uSATA
Capacities	64GB – 2TB	32GB – 1TB	16GB – 256GB	64GB – 2TB
Read/Write (MB/s)	553/457	130/120	130/120	500/400
Dimensions (mm)	69.85 x 100.0 x 6.8mm	69.85 x 100.2 x 9.5	52.0 x 70.0 x 5.1	54.0 x 78.5 x 5.0
Part Number	FTMxxxMU2P	FExxxxMJ2x	FEUxxxMD1X	FTRxxxMU1x

DISCLAIMER: Actual usable memory capacity may vary. 1MB equals 1 million bytes; 1GB equals 1 billion bytes.

Mobile Computing

mSATA SSDs



Super Talent's JEDEC MO-300 compatible mSATA SSDs are perfect for systems with limited physical space, such as tablets - all without sacrificing performance. We also offer OEM customers the opportunity to customize the length and width of the PCB boards for their specific needs.

Specification	mSATA SJ2	mSATA mini SJ2	mSATA DX1
			
Interface	SATA-III	SATA-III	SATA-III
Form Factor	Mini PCIe	Mini PCIe	Mini PCIe
Capacities	16GB – 128GB	16GB – 64GB	32GB-256GB
Read/Write (MB/s)	300/100	300/100	480/300
Dimensions (mm)	50.8 x 29.8 x 3.5	29.85 x 26.8 x 3.5	50.8 x 29.85 x 3.5
Part Number	FM5 xxxMTRM	FM2xxxJPRx	FMxxxxJCRM

* Dimensions can be customized for OEMs.

Mini PCIe SSDs





Super Talent produces a selection of SSDs designed specifically for upgrading popular notebook models. Upgrading to an SSD provides shorter boot times, faster application loading, and less power consumptions.

Specification	SATA Mini 2 PCIe DX1	Half Mini 2 PCIe SM1
		
Interface	SATA-III	IDE/PATA
Form Factor	Mini PCIe	Mini PCIe
Capacity	32GB – 256GB	16GB – 128GB
Read/Write (MB/s)	480/400	130/120
Dimensions (mm)	69.5x32.1x3.5	51.0 x 30.0 x 3.5
Part Number	FMTxxxJxRM	FERxxxMDRM

Embedded Solutions

IDE Flash Disk Modules

Super Talent's line of SSDs also extends to small form factor systems. NAND Flash based IDE Flash Disk Modules (FDMs) are well suited for a wide range of industrial and embedded computing applications. Laptops, surveillance equipment, medical instruments and even point-of-sale terminals utilize these solutions every day. The industry standard IDE connector plugs directly into a motherboard using a 40 or 44-pin IDE connector and uses a 5V power input.

Specification	40-pin IDE Vertical	40-pin IDE Horizontal	44-pin IDE Vertical	44-pin IDE Horizontal
				
Interface	IDE/PATA	IDE/PATA	IDE/PATA	IDE/PATA
Form Factor	FDM	FDM	FDM	FDM
Capacities	16GB – 128GB	16GB-128GB	16GB-128GB	16GB-128GB
Read/Write (MB/s)	130/120	130/120	130/120	130/120
Dimensions (mm)	58.2 x 28.9 x 6.7	51.3 x 31.3 x 7.5	56.0 x 29.0 x 6.7	47.8 x 29.0 x 7.2
Part Number	FExxxxMDRM	FExxxxMDRM	FExxxxMDRM	FExxxxMDRM

DISCLAIMER: Actual usable memory capacity may vary. 1MB equals 1 million bytes; 1GB equals 1 billion bytes.

USB 3.1 & 3.0 Series

Super Talent's USB 3.1 & USB 3.0 collection focuses on high-quality, speedy devices. With many of the USBs featuring multiple channels of flash, this series is filled with lightening fast drives.

The USB 3.1 Portable RAIDDrive

The USB 3.1 Portable RAIDDrive takes advantage of the increased bandwidth of the USB 3.1 interface to offer speeds of up to 700/650 MB/s read writes to a portable storage device. It can easily transfer large files within a matter of seconds and comes in capacities of up to 1TB.

Features

- Read up to 700 MB/s, Write up to 600 MB/s
- Capacities from 120 GB to 960 GB
- Very high performance pocket-sized storage device
- Backwards compatible with USB 3.0 and 2.0
- 4 Channels
- Dimensions: 115.0mm x 63.3mm x 8mm

*Some devices may not support removable storage, please check with the product manufacturer first.



Up to
Read **700**
Write **600**
(MB/s)

USB 3.0 Express RC4

The USB 3.0 Express RC4 is an ultimate combination of speedy performance, price, and usability. The RC4's boot time is incredibly quick to deliver the best performance experience for the user.

Features

- Certified for Windows To Go
- 4-channel flash architecture
- Supports employee workforce deployments



Up to
Read **320**
Write **300**
(MB/s)

Express ST1 Series

The Express ST1 Series have high performance up to 210MB/s Read and 135MB/s Write speeds. The series is available in three different enclosure designs, all with one channel of flash.

Features

- Able to handle large files
- Backwards compatible with USB 2.0
- USB powered - no external power is required



Up to
Read **210**
Write **135**
(MB/s)

STT Storage Enhancer/GNSD

Super Talent's Storage Enhancer is an amazing driver that extends the endurance of the SSD and improves the data transfer rate within the whole system. Codenamed "GNSD", it supports multiple versions of Microsoft Windows operating systems.

PCmark7 Test

	Typical SSD	Competitor's software	STT's GNSD
Secondary Storage Score	2,325	6,031	6,537
Raw Secondary Storage Score	616	16,185	82,928

STT USB Drives

USB 3.0 Pico

Amazingly small in size, the USB 3.0 Pico packs an incredible amount of capacity into its compact, stylish casing. The USB 3.0 Pico drive is great for storing data, digital images, and videos. The design includes a space for attaching a keychain, lanyard, necklace chain, or other accessory. Water resistant and backwards compatible with USB 2.0, the USB 3.0 Pico is perfect for those seeking a versatile flash drive.



- Capacity: 16GB - 64GB
- Dimension: 4.6 X 12.3 X 3.3mm
- Read: 72MB/s, Write: 28MB/s

Capacity	Part Number
16GB	ST3U16PICO
32GB	ST3U32PICO
64GB	ST3U64PICO

Pico Series - *World's smallest 128GB USB Drive!*

Pico series USB drives are incredibly small and stylish flash drives offered in 4GB to 128GB capacities. You can easily attach it to your keychain and take your files with you wherever you go or plug it into a USB enabled car stereo and enjoy your music. Pico drives are water resistant too.

Pico C

Ultra Small Capless
31.6 x 12.5 x 3.6mm



Pico C Gold

Ultra Small Capless
31.6 x 12.5 x 3.6mm



Pico C Nickel

Ultra Small Capless
31.6 x 12.5 x 3.6mm



Pico E

Sliding lid
34.8 x 15.8 x 5.2mm



Pico E Gold

Sliding lid
34.8 x 15.8 x 5.2mm



	4GB	8GB	16GB	32GB	64GB	128GB
C	STU4GPCS	STU8GPCS	STU16GPCS		STU64GPCS	STU28GPCS
C Gold	STU4GPCG	STU8GPCG	STU16GPCG	STU32GPCG	STU64GPCG	STU28GPCG
C Nickel	STU4GPCN	STU8GPCN	STU16GPCN	STU32GPCN	STU64GPCN	
E	STU4GPES	STU8GPES	STU16GPES			
E Gold	STU4GPEG	STU8GPEG	STU16GPEG	STU32GPEG		

* To see more USB series, please visit www.supertalent.com

PROJECT X DDR4

- Capacities: 4 GB - 16 GB
- Voltage Support: 1.35V
- Speeds: 3000, 3200, 3466, 3600, 3733Mhz

Features

- Memory modules that support overclocked speeds
- Aggressively tuned to deliver exceptional performance
- Guaranteed to operate at specified speeds to ensure compatibility and performance



DDR4 Memory ECC UDIMM, UDIMM, LRDIMM, RDIMM, SODIMM, Mini-RDIMM, Mini-EDIMM

Features

- Easily processing massive workloads with enhanced speed.
- Lower power consumption results in less heat and increased module density.

* Legacy Memory is available

- Capacities: 4 GB - 64 GB
- Voltage Support: 1.2V
- Speeds: 2133, 2400, 2666 Mhz

Server Memory



- DDR4 ECC Registered
- Capacities: 16, 32, 64GB, & 128GB
- Voltage support: 1.20V
- Speeds: 2466, 2933, & 3200MHz
- *VLP option available



- DDR4 ECC UDIMM
- Capacities: 8, 16GB, & 32GB
- Voltage support: 1.20V
- Speeds: 2400 & 2666MHz
- *VLP option available

Desktop Memory



- DDR4 UDIMM
- Capacities: 4, 8, & 16GB
- Voltage support: 1.20V
- Speeds: 2400, 2666, & 2933MHz
- & W/XMT UP TO 3733 MHz

Laptop Memory



- DDR4 SO-DIMM
- Capacities: 4, 8, & 16GB
- Voltage support: 1.20V
- Speeds: 2400, 2666, & 2933MHz

DDR3 Memory * Overclocking/ DDR2 / DDR Memory also available

Server Memory



- DDR3 ECC UDIMM
- Capacities: 1, 2, 4, & 8GB
- Voltage support: 1.35V, 1.5V
- Speeds: 1066, 1333, 1600, 1866MHz
- *VLP option available

Network/ μ Server/ Mini-Server Memory



- DDR3 Mini-DIMM
- Capacities: 2, 4, & 8GB
- Voltage support: 1.35V, 1.5V
- Speeds: 1066, 1333, & 1600MHz
- *Registered or ECC unbuffered DIMMs



- DDR3 SO-DIMM
- Capacities: 1, 2, 4, & 8GB
- Voltage support: 1.35V, 1.5V
- Speeds: 1066, 1333, 1600, 1866MHz
- *Registered or ECC unbuffered DIMMs

Flash Media Cards

CFast Pro

CFast Pro cards are a 4x improvement in speed over the fastest 600x CF cards. With that kind of speed, photo and video capturing and download times are dramatically reduced. The CFast Pro card is great for use in high definition digital SLR and video cameras.



Capacities: 8GB - 1TB

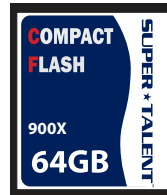
Speeds:
Up to 480 MB/sec read, Up to 240 MB/sec write

Technical Details:

- Flash type: MLC
- Dimensions (approx.): 36.4x42.8x3.3mm
- SATA III interface

High Speed CF Cards

Fast and reliable, CF cards can be used in digital SLR cameras, digital video camcorders, as well as industrial applications.



Capacities: 8GB - 128GB

Speeds: 900x, 600x, 300x

Technical Details:

- Impact resistant - operating shock rating of 2,000Gs
- Power requirements: 3.3V or 5.0V
- Supports ATA command set
- Dimensions (approx.): 42.8 x 36.4 x 3.3mm
- Weight: 13g (max)

Premium Pro Micro SD



About four times smaller than the average SD card, the MicroSD card is primarily used with mobile handsets, the Premium Pro Micro SD Card also is supported by a variety of hand-held GPS devices, portable audio players, video game consoles and expandable USB flash memory drives.

Capacities: 16GB - 256GB

Speeds: Up to 90MB/s read and 85MB/s write

Technical Details:

- UHS-I Speed Class 3 (U3)
- Operation Temperature: -25° to 85° C.
- Storage Temperature: -40° to 85° C.
- microSDHC/SDXC Card Dimensions: 11mm x 15mm x 1mm
- SD Adapter Dimensions: 24mm x 32mm x 2.1mm
- Weight: 0.5g.

**Approximations: results will vary based on file size, resolution, compression, bit rate, content, host device, pre-loaded files, and other factors.

OEM Solution Provider

Headquartered in the heart of Silicon Valley, Super Talent provides OEM Customers a competitive advantage by enabling them to outsource the design, layout, manufacturing and qualification processes. Our ultimate goal is to provide innovative solutions, decrease your time to market and reduce costs.



Design

Super Talent designs are produced by a talented team of Silicon Valley engineers to satisfy most customers' data storage needs.



Manufacturing

Super Talent uses state-of-the-art ISO 9001 certified technical equipment and leading-edge components to manufacture it's memory products.



Testing

All Super Talent products are rigorously tested for quality within our own labs and then tested and approved by top motherboard manufacturers and other industry partners to assure compatibility.



Logistics

Super Talent logistic services are very flexible to meet various customer needs that include retail and bulk packaging, procurement, inventory management, transportation, and more.

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