



# 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.

## SuperCache (AIC34)

SuperCache is a PCIe NVMe Add In Card type Solid State Drive. It supports a max read speed of up to 3.0 GB/sec and a max write speed as fast as 2.2 GB/sec for Audio/Video Cache application. It also has a great performance of Random 4KB Read/Write up to 340K/260K IOPS. This AIC can also fit into 1U/2U/4U Rack Server System.

### Features

- PCIe Gen.3 x4 lane host interface
- Max Speed: Read up to 3.0 GB/s, Write up to 2.2 GB/s
- Capacities up to 2 TB

| Specification     | SuperCache(AIC34)   |
|-------------------|---------------------|
| Interface         | PCIe x4             |
| Form Factor       | PCIe (Gen3)         |
| Capacity          | 480GB – 2TB         |
| Read/Write (MB/s) | 3000/2200           |
| Dimensions (mm)   | 169.6 x 68.9 x 17.1 |
| Part Number       | FPGxxxPSR8          |

## 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        |



# 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.

# Laptop/Desktop/Tablet

Super Talent's line of SSDs also extends to laptop/desktop/table systems.





| Specification     | VSSD CT6  | M.2 PCIe NVMe  | M.2 SATA III  |
|-------------------|---|--|---|
|                   |  |  |  |
| Interface         | SATA III  | PCIe/NVMe  | SATA III  |
| Form Factor       | 2.5"  | M.2 (2280)   | M.2 (2280/2260/2242)  |
| Capacities        | 240GB-960GB (TLC)   | 128GB-1TB (MLC)  | 128GB-1TB (MLC/TLC)   |
| Read/Write (MB/s) | 480/400   | 1000/600   | 480/400   |
| Dimensions (mm)   | 69.85 x 100 x 7.0   | 22.0 x 80.0 x 3.8  | 22.0 x 80.0 x 3.5   |
| Part Number       | FTxxxMM25   | FPHxxxMQR7   | FN8xxxMURM  |



## 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.



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

### 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.

## USB 3.0 Data★Retainer

Ensure files that are saved on a USB do not deteriorate over time! Maintain your USB drive's write endurance to prolong its life.

### Features

- Acts as a standalone 8GB USB 3.0 drive
- Prevent data deterioration for up to one year
- Data is arranged and efficiently stored in flash to maximize retention



## 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     |



Up to  
Read **320**  
Write **300**  
(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

# TwoDrive

Super Talent's TwoDrive is a high-speed flash drive with Lightning and USB 3.0 dual end connectors to quickly and easily transfer files, photos and videos between iPhone, iPad, PCs and Mac Computers, and supports multiple Image/Audio/Video/Document formats (A wide variety of formats are supported)

- Capacity: 16GB - 128GB
- Dimension: 76 x 22 x 8 mm
- Read: 120MB/s, Write: 60MB/s



## Features

- For use with Lightning and USB3.0 connectors
- Lightning and USB Super Speed connections for fast data transfer.
- Designed with a rotational connector allows users to easily swing the Lightning plug while the plug is in use.

| Capacity | Part Number |
|----------|-------------|
| 16GB     | STT016GBLT  |
| 32GB     | STT032GBLT  |
| 64GB     | STT064GBLT  |
| 128GB    | STT128GBLT  |



## 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

## USB 3.0 Pico

- Capacity: 16GB - 64GB
- Dimension: 4.6 X 12.3 X 33mm
- Read: 72MB/s, Write: 28MB/s



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.



|                 | 4GB      | 8GB      | 16GB      | 32GB      | 64GB      | 128GB     |
|-----------------|----------|----------|-----------|-----------|-----------|-----------|
| <b>C</b>        | STU4GPCS | STU8GPCS | STU16GPCS |           | STU64GPCS | STU28GPCS |
| <b>C Gold</b>   | STU4GPCG | STU8GPCG | STU16GPCG | STU32GPCG | STU64GPCG | STU28GPCG |
| <b>C Nickel</b> | STU4GPCN | STU8GPCN | STU16GPCN | STU32GPCN | STU64GPCN |           |

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

# 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: 4, 8, 16, 32, & 64GB
- Voltage support: 1.20V
- Speeds: 2133, 2400, & 2666MHz
- \*VLP option available



- DDR4 ECC UDIMM
- Capacities: 4, 8, & 16GB
- Voltage support: 1.20V
- Speeds: 2133, 2400, & 2666MHz
- \*VLP option available

### Desktop Memory



- DDR4 UDIMM
- Capacities: 4, 8, & 16GB
- Voltage support: 1.20V
- Speeds: 2133, 2400, & 2666MHz
- & W/XMT UP TO 3733 MHz

### Laptop Memory



- DDR4 SO-DIMM
- Capacities: 4, 8, & 16GB
- Voltage support: 1.20V
- Speeds: 2133, 2400, & 2666MHz

## DDR3 Memory \* Overclocking/ DDR2 / DDR Memory also available

### Server Memory



- DDR3 ECC Registered
- Capacities: 1, 2, 4, 8, 16, & 32GB
- Voltage support: 1.35V, 1.5V
- Speeds: 1066, 1333, 1600, 1866 MHz
- \*VLP option available



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



- 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

### Network/ $\mu$ Server/ Mini-Server Memory

# Flash Media Cards

## CFast Pro

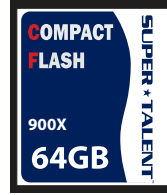
CFast Pro cards are a 4x improvement in speed over the fastest 600x CF cards. With that kind of speed, photo and video capturing and download times are dramatically reduced. The CFast Pro card is great for use in high definition digital SLR and video cameras.



|  |
|--|
| <b>Capacities: 8GB - 256GB</b>   |
| <b>Speeds:</b><br>Up to 480 MB/sec read, Up to 240 MB/sec write  |
| <b>Technical Details:</b> <ul style="list-style-type: none"><li>Flash type: MLC</li><li>Dimensions (approx.): 36.4x42.8x3.3mm</li><li>SATA III interface</li></ul> |

## High Speed CF Cards

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



|  |
|--|
| <b>Capacities: 8GB - 128GB</b>   |
| <b>Speeds: 900x, 600x, 300x</b>  |
| <b>Technical Details:</b> <ul style="list-style-type: none"><li>Impact resistant - operating shock rating of 2,000Gs</li><li>Power requirements: 3.3V or 5.0V</li><li>Supports ATA command set</li><li>Dimensions (approx.): 42.8 x 36.4 x 3.3mm</li><li>Weight: 13g (max)</li></ul> |

## 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.

|   |
|---|
| <b>Capacities: 16GB - 256GB</b>   |
| <b>Speeds:</b> Up to 90MB/s read and 85MB/s write   |
| <b>Technical Details:</b> <ul style="list-style-type: none"><li>- UHS-I Speed Class 3 (U3)</li><li>- Operation Temperature: -25° to 85° C.</li><li>- Storage Temperature: -40° to 85° C.</li><li>- microSDHC/SDXC Card Dimensions: 11mm x 15mm x 1mm</li><li>- SD Adapter Dimensions: 24mm x 32mm x 2.1mm</li><li>- Weight: 0.5g.</li></ul> |

\*\*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.

## Corporate Headquarters

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