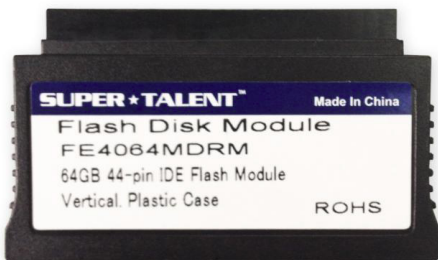


## Flash Disk Module (FDM)

### 44-pin IDE Vertical



Super Talent's Flash Disk Module (FDMs) provide non-volatile storage in a compact design, making a perfect fit for embedded applications. This FDM model mounts vertically and is available with either a 40- or 44-pin IDE interace. While typical spinning hard disk drives are the weakest point when it comes to withstanding extremes, FDM's are an asset and ideal to use in severe environments.

Other benefits of FDMs are that they are rugged, lightweight, silent, and have low power consumption. Features include:

- MLC or SLC NAND Flash options
- Platform Independence
- Fast Time to Market - No Driver Required
- Hamming Code-Based EDC/ECC
- Internal and external operation from 16GB-128GB capacity
- IDE Master/Slave Modes of Operation

### Physical Specifications

<b>Mount Type</b>	Vertical
<b>Capacity</b>	16GB - 128G
<b>Interface</b>	44-pin IDE
<b>Modes</b>	PIO Mode 0-6, MDMA Mode 0-4, UDMA Mode 0-7
<b>OS Support</b>	All
<b>NAND Flash</b>	MLC
<b>Power Supply</b>	5V ± 10%

### Environmental Specifications

<b>Shock (operating)</b>	1500G
<b>Vibration (operating)</b>	16G
<b>Temperature (operating)</b>	0°C to +70°C

### Performance Specifications

<b>MLC (Read/Write)</b>	130 / 120
<b>SLC (Read/Write)</b>	N / A
<b>Access Time</b>	0.1 ms

### Endurance Specifications

<b>MTBF</b>	+1,000,000 hours
<b>Data Reliability</b>	Built-in EDC/ECC function
<b>Wear Leveling</b>	Patent Pending
<b>Read</b>	Unlimited