

**DFX - RUGGEDrive™ Token with Secure Digital (SD/SPI) Functionality**  
**UFX - RUGGEDrive™ Token with USB (MSD) Functionality**

The new RUGGEDrive™ Line from Datakey Electronics offers embedded system designers further flexibility from the leaders in rugged data-carrier systems.

The RUGGEDrive™ Line consists of two different memory tokens:



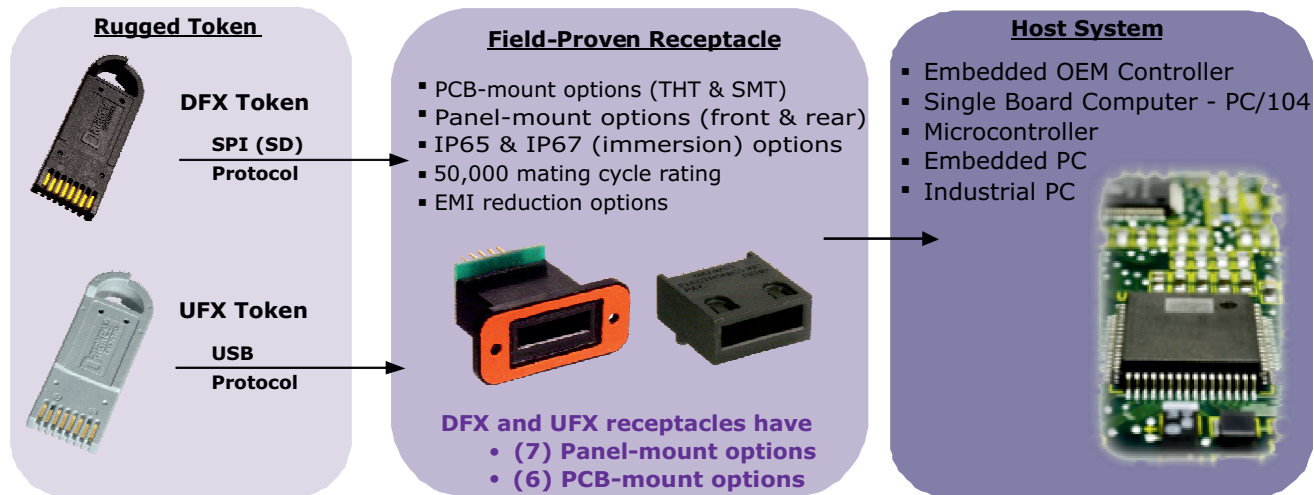
The **DFX Token** delivers a rugged, reliable high-performance **Secure Digital (SD) interface (including SPI)**.



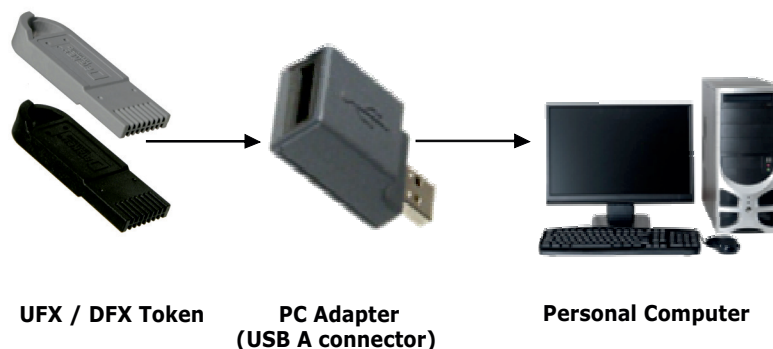
The **UFX Token** delivers a rugged, reliable high-performance **USB 2.0 (high-speed) interface**.



Both tokens benefit from the most appealing aspects of consumer memory devices (high memory capacity, high throughput speed, accepted interfacing protocols), while also utilising Datakey Electronics' field-proven Extended SlimLine™ Token form-factor - providing **superior** mechanical, environmental, and ergonomic performance. Datakey Electronics also offers a full line of field-proven, high-cycle life mating receptacles for each series.



The RUGGEDrive™ tokens also offer **easy connection to a PC** through a simple PC adapter (DFX and UFX tokens each have a model available). With this adapter, standard Mass Storage Device (i.e. drive letter) operation is achieved.



**Advantage:**  
 Without this PC adapter, the DFX & UFX Tokens do not fit in "just any" PC. The unique form-factor helps to secure data stored on the token and greatly reduces the risk of malicious files being loaded to/from the token.



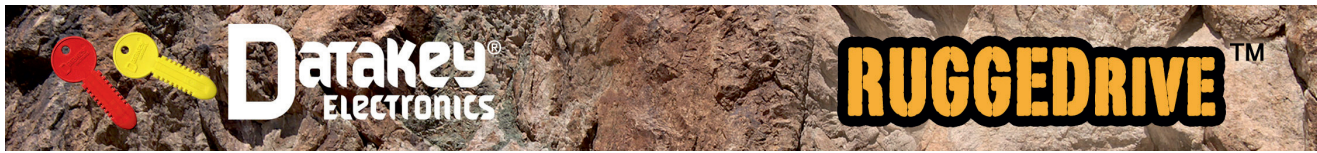
Datakey Electronics' products, images and marketing materials may be protected by the patent, trademark, copyright and/or other intellectual property laws of the United States and other countries and are used under license from Datakey Electronics.



Tel: 01730 816502  
 Email: info@nexusgb.co.uk  
 Web: www.nexusgb.co.uk



**RoHS Compliant**



**DFX - RUGGEDrive™ Token with Secure Digital (SD/SPI) Functionality**  
**UFX - RUGGEDrive™ Token with USB (MSD) Functionality**

**OEM Values:**

- ✓ **Rugged** system *increases* reliability in any application
- ✓ **Unique** form-factor *increases* product security and product recognition
- ✓ **High cycle-life** mating receptacles *increase* long-term reliable field-operation
- ✓ **IP-Rated** rugged mating receptacles *allow* integration into virtually any environment
- ✓ **Controlled** availability *assures* use of approved device & *opens* additional revenue stream for OEM
- ✓ **Custom** private label and multiple colour options *increases* OEM possibilities and user appeal

**Product Features:**

- ✓ Solid state, high-performance data-carrier
- ✓ High-Capacity – 4GB-32GB data storage
- ✓ Small, truly rugged, field-proven system
- ✓ SPI (SD) or USB communication option
- ✓ High data-transfer speeds
- ✓ Resistance to virtually any environment
- ✓ Autoclave and EtO resistant token
- ✓ Easy connection to PC for file transfer
- ✓ Rugged high cycle-life mating receptacles, including IP67 immersion rated options
- ✓ High temperature operation

2008 Machine Design survey on portable memory devices: <i>Design Engineer's top three needs in a data-carrier system:</i> 1) Reliability; 2) Security of Data; 3) Ruggedness	Consumer Devices (SD Cards & USB Flash-Drives)	Datakey Electronics RUGGEDrive™ (UFX) USB-MSD	Datakey Electronics RUGGEDrive™ (DFX) SD-SPI
<b>Rugged, Reliable, Harsh-Environment Memory Devices -</b> Immersion, High Temperature, Vibration, Shock, ESD	★★	★★★★★	★★★★★
<b>Unique Form Factor Memory Devices -</b> Increases data security, system security, discourages misuse & theft		★★★★★	★★★★★
<b>Controlled Supply of Quality, Tested Memory Devices -</b> Assures use of qualified device and OEM receives revenue	★	★★★★★	★★★★★
<b>Rugged, Reliable, Harsh-Environment Receptacles -</b> Multiple mounting and environmental performance (IP ratings) options	★	★★★★★	★★★★★
<b>Receptacles Have High Mated Cycle-Life -</b> Measured in 10s of thousands, not in hundreds or thousands	★	★★★★★	★★★★★
<b>Controlled Connector—Only Approved Products Fit -</b> Users can't plug in untested, incompatible, or unqualified memory devices		★★★★★	★★★★★
<b>Memory Device Manufacturer Focused on Embedded OEMs -</b> Supply both data-carrier & receptacle with OEM values/benefits	★	★★★★★	★★★★★
<b>Memory System Minimises Initial OEM Upfront Cost -</b> What are you getting for your money? What will lower initial cost do to (ongoing) support costs?	★★★	★★	★★
<b>Memory System Minimises OEM 's (ongoing) Support Costs -</b> Supporting every product available online. Changes/obsolescence	★	★★★★	★★★★
<b>High Speed Throughput -</b> Minimise time to transfer large amounts of data	★★★★★	★★★★★	★★★★★
<b>Memory Capacities -</b> How much capacity does your application actually require?	> 1GByte	> 1GByte*	> 1GByte*
<b>Interface Protocols -</b> What does your system require for interfacing?	USB, SD, SPI	USB	SD, SPI (USB with adapter)

\*For memory capacities of 1Kbit-64Mbit contact us for details of our standard products which are available with Microwire, I<sup>2</sup>C and SPI



Datakey Electronics' products, images and marketing materials may be protected by the patent, trademark, copyright and/or other intellectual property laws of the United States and other countries and are used under license from Datakey Electronics.



**NEXUS (G.B.) LIMITED**  
 Tel: 01730 816502  
 Email: [info@nexusgb.co.uk](mailto:info@nexusgb.co.uk)  
 Web: [www.nexusgb.co.uk](http://www.nexusgb.co.uk)



**RoHS Compliant**