

## Datakey – Product Change Notification / End of Life Notification

**PCN Number:** 20220204 **Rev B**  
**Notice Date:** 4 February 2022 (updated 12 July)  
**Notification Subject:** End of Life Notification (EOL)

### Summary Description:

The USB controller IC used in UFX RUGGEDrive™ memory tokens has unexpectedly gone end-of-life (EOL). Because of the unexpected nature of the controller IC going EOL, ATEK was not offered a traditional last-time-buy (LTB) of these ICs. ATEK did purchase all remaining ICs, which allowed us to cover all outstanding orders for UFX tokens plus have a small number of controller ICs left over.

As a result, all UFX memory tokens are hereby designated with EOL status. The UFX RUGGEDrive line is being replaced with UFX-I line, also known as the Industrial UFX line. Because the new UFX-I tokens use a different USB controller IC, some USB features will be different on the new UFX-I tokens. Other changes are also being introduced. See the Details of Notice section, below, for more detailed information on the differences between the existing UFX tokens and the new UFX-I tokens.

### Affected Products:

UFX4GB RUGGEDrive Memory Tokens  
 UFX8GB RUGGEDrive Memory Tokens  
 UFX16GB RUGGEDrive Memory Tokens  
 UFX32GB RUGGEDrive Memory Tokens  
 UFX64GB RUGGEDrive Memory Tokens  
 Customized UFX RUGGEDrive Memory Tokens

### Part Numbers:

611-0210-00xA\*  
 611-0214-00xA\*  
 611-0215-00xA\*  
 611-0216-00xA\*  
 611-0221-00xA\*  
 Varies

### Suggested Replacements:

EOL UFX Models		Replacement UFX-I Models	
Old Part Number	Description	New Part Number	Description
611-0210-00xA*	UFX4GB Memory Token	611-0237-00xA	UFX4GB-I Memory Token
611-0214-00xA*	UFX8GB Memory Token	611-0214-01xA	UFX8GB-I Memory Token
611-0215-00xA*	UFX16GB Memory Token	611-0238-00xA	UFX16GB-I Memory Token
611-0216-00xA*	UFX32GB Memory Token	611-0239-00xA	UFX32GB-I Memory Token
611-0221-00xA*	UFX64GB Memory Token	611-0240-00xA	UFX64GB-I Memory Token
Varies	Custom UFX Tokens	Varies	Custom UFX-I Tokens

\*The “x” in the part number is a variable and changes based on token color (0=black, 2=red, 4=yellow, 5=green, 6=blue, 8=gray). All token colors are EOL.

### Notice Details:

As stated above, current UFX RUGGEDrive memory tokens are now EOL and are being replaced by new Industrial UFX (UFX-I) RUGGEDrive models. There are some differences between the UFX models and the new UFX-I models and some aspects that remain unchanged. First, here are the aspects of the new UFX-I memory tokens that remain the same as the existing UFX tokens:



The power of memory. Secured.

### Characteristics Shared Between EOL UFX Models and New UFX-I Models

Like the existing UFX memory tokens, the new UFX-I tokens will share the same RUGGEDrive memory token form factor that features the redundant SlimLine™ contact system. The new tokens will use the same pinout and USB 2.0 Hi-Speed interface. Both are USB mass storage class devices. Both use the same SlimLine receptacles and UFX PC adapters. Both UFX and UFX-I tokens are pre-programmed at the factory with a unique serial number.

### Characteristics New/Changed to the UFX-I Models

#### **Operational Temperature Range**

UFX tokens have an operational temperature range of 0°C to +85°C.

UFX-I tokens have an operational temperature range of -40°C to +85°C.

Note: UFX8GB-I tokens (part numbers 611-0214-01xA) will have an operational temperature range of -25°C to +85°C, as the memory used in these tokens is rated for operation from -25°C to +85°C.

#### **Product Family Insert**

UFX tokens utilize a mold insert that shows the product family as “UFX”.

UFX-I tokens utilize a mold insert that shows the product family as “UFX-I”.

#### **New Datakey Logo**

UFX tokens use the “Datakey Electronics” logo that was used with the RUGGEDrive tokens since the family was launched in late 2010.

UFX-I tokens use the updated “Datakey” logo that looks like this:



#### **USB Properties**

Upon inserting a USB device into a host (like a Windows PC), the host will enumerate the device and will be able to query the device for several USB properties, including:

##### **USB Vendor ID (VID)**

This property is not changing. Like with all Datakey USB devices, the new UFX-I tokens will have a USB VID of 0x195E, which is the same as the VID used with the UFX tokens.

##### **USB Product ID (PID)**

Previously, all UFX tokens, regardless of memory capacity, shared the same USB Product ID (0x000A). UFX-I tokens will have a different USB PID for each memory capacity/model. For example:

UFX4GB-I: 0x0010

UFX8GB-I: 0x0011

UFX16GB-I: 0x0012

UFX32GB-I: 0x0013

UFX64GB-I: 0x0014

### USB Display Name String

Because of the USB controller used in the new UFX-I tokens, we were unable to use the same display name string that was used in the older UFX tokens. Instead, the new UFX-I tokens will all say "Datakey UFX-I HS-USB2.0 USB Device" for the display name string. The same string is used across all UFX-I models.

### NAND Flash Memory

All UFX memory tokens utilized MLC-based NAND flash memory. The MLC NAND flash is rated for a minimum of 3,000 program erase cycles per cell. For the new UFX-I models, both the 4GB and 8GB models will continue to use MLC NAND flash. In fact, the UFX4GB-I and the UFX8GB-I will use the exact same memory as used in the existing UFX4GB and UFX8GB models respectively. The new UFX16GB-I, UFX32GB-I and UFX64GB-I models will now use TLC NAND flash, whereas the older UFX16GB, UFX32GB and UFX64GB models used MLC NAND flash. Both the old MLC and the new TLC NAND are rated for 3,000 program/erase cycles.

### USB Enumeration

The new UFX-I tokens enumerate as a USB 2.0 hub with a USB mass storage device attached to one of the downstream ports. This differs from the older UFX tokens that enumerated as a USB mass storage device without an intermediate hub.

It is possible that there could be other minor changes not covered here. It is also possible that some of the information covered in this notification could change, as the UFX-I tokens are still under development as of the date of this PCN/EOL notification.

ATEK will be making samples available to existing customers upon product release, expected in early Q2-2022.

### Last Time Buy Information

Because ATEK was not able to procure a last time buy (LTB) of the USB controller ICs, we are unfortunately not able to offer a traditional last time buy of the existing UFX memory tokens. We do have limited quantities of various UFX tokens in stock and extremely limited quantities of the controller ICs available to build up additional UFX tokens. Contact the Datakey Customer Care team for stock and LTB information.

### Custom UFX Token Customers

If you currently purchase a customized UFX memory token (with a part number starting with 699), please contact the Datakey Customer Care team to learn about what existing stock may be available for purchase and to discuss whether the creation of an equivalent UFX-I memory token is desired.

If you have any questions regarding this PCN, please contact the Datakey Customer Care Team.

### Contact Information:

Customer Care Team  
+1 (800) 523-6996  
+1 (218) 829-9797  
[CCT@datakey.com](mailto:CCT@datakey.com)

Full listing of part numbers impacted by this PCN:

611-0210-000A	611-0221-002A
611-0210-002A	611-0221-004A
611-0210-003A	611-0221-005A
611-0210-004A	611-0221-006A
611-0210-005A	611-0221-008A
611-0210-006A	
611-0210-007A	
611-0210-008A	
699-0148-002A	
699-0148-003A	
699-0148-005A	
699-0153-004A	
699-0156-005A	
699-0165-000A	
699-0165-005A	
699-0165-008A	
699-0175-000A	
699-0175-002A	
699-0175-008A	
611-0214-000A	
611-0214-002A	
611-0214-004A	
611-0214-005A	
611-0214-006A	
611-0214-008A	
611-0215-000A	
611-0215-002A	
611-0215-004A	
611-0215-005A	
611-0215-006A	
611-0215-008A	
699-0145-000A	
699-0145-002A	
699-0145-004A	
699-0145-005A	
699-0145-006A	
699-0145-008A	
611-0216-000A	
611-0216-002A	
611-0216-004A	
611-0216-005A	
611-0216-006A	
611-0216-008A	
611-0221-000A	