ADATA INDUSTRIAL

UFD

IUFU315C

The ADATA IUFU315C industrial USB flash drive features a high-speed USB 3.2 Gen 1 interface for fast and efficient data transfer and backup. Built with high-quality TLC NAND Flash, it incorporates Wear Leveling technology and a BCH ECC engine to improve flash endurance, enhance data integrity, and extend product lifespan. Featuring a protective cap design and a durable metal housing, the drive helps safeguard the USB connector. It also supports Bad Block Management to reduce the risk of data loss and ensure reliable operation in industrial applications. In addition, the IUFU315C offers true plug-and-play functionality and capacities ranging from 64GB to 512GB, making it an ideal storage solution for industrial PCs, embedded systems, automation equipment, industrial control systems, data backup, and other industrial applications.

Features

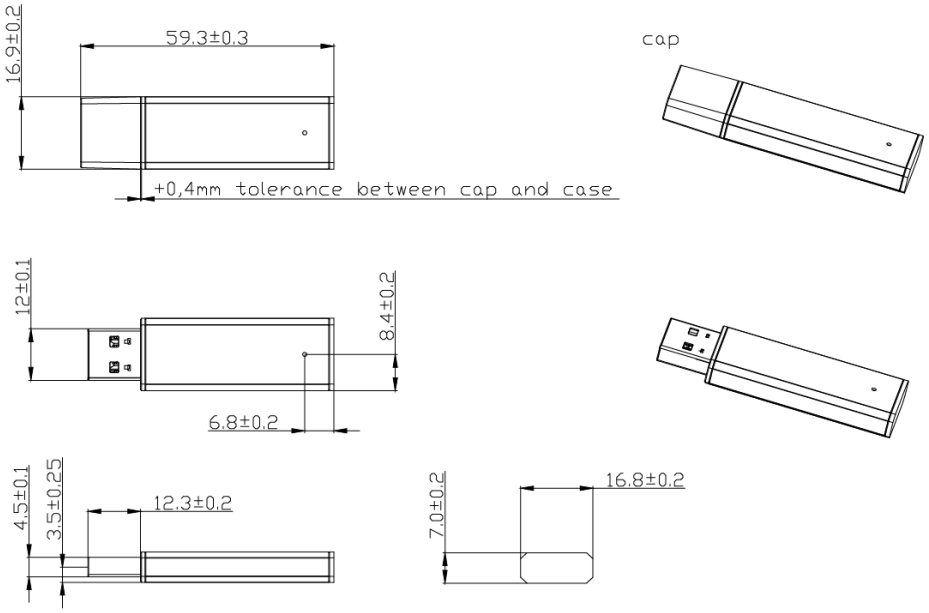
- High-speed USB 3.2 interface
- Supports Wear Leveling for higher endurance
- TLC NAND Flash for longer data retention
- 3K P/E cycle rating
- BCH ECC (error correcting) engine

Ordering Information

Operating Temp.	64GB	128GB	256GB	512GB
0°C to 70°C	IUFU315C-064GCTS5	IUFU315C-128GCTS5	IUFU315C-256GCTS5	IUFU315C-512GCTS5

Model	IUFU315C
Capacity	64GB – 512GB
Interface	USB 3.2 Gen 1
Flash Type	TLC
Form Factor	USB
Dimensions (L x W x H)	59.3 x 16.9 x 7mm
Sequential Read (Max.)	400MB/s
Sequential Write (Max.)	185MB/s
Operating Temperature (Standard)	0ºC to 70ºC
Operating Voltage	5V
Power Consumption (Max.)	1.02W
Shock Resistance	1500G/0.5ms
Operating Humidity	5%-95 RH, non-condensing
Vibration Resistance	20G (20-2000Hz)
Technologies	BCH ECC Engine, Wear Leveling, Garbage Collection, Bad Bloc Management

Diagram



Unit: mm

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