ATP Industrial Grade USB Drives

Targeted Product Portfolio, Engineered Specifically for Your Mission Critical Applications



NANODURA / USB Module

ATP Industrial Grade USB Drives are designed for mission critical embedded applications with space constraints, high performance and high data retention requirements. The drives have the extraordinary endurance of 60,000 program/erase cycles, while most MLC-based USB drives on the market have less than 3,000 program/erase cycles. The Industrial Grade USB Drive is ideal for industrial application such as medical, IPC and automation applications.

Key Features

- Enhanced endurance with Advanced Wear Leveling algorithm
- 10 years data retention for SLC-based ATP Industrial Grade USB Drive vs. 6 months for MLC-based USB drives
- System in Package (SIP) Technology: extreme operating temperature: -40°C to 85°C, water/moisture resistance, vibration, shock and electrostatic discharge resistant
- Support S.M.A.R.T ATA feature set
- NSA Compliant SecureErase

Applications

- Medical
- Industrial PC
- Automation applications

S.M.A.R.T.
E.S.D. RESISTANCE
SECURE ERASE
SIP System-in-Package
DUST PROOF
WATERPROOF
SHOCK RESISTANCE

Specifications

Product Name	USB Drive-NANODURA	USB Module
Flash Type	SLC	
Capacities	512MB to 8GB	
Performance	Sequential Read up to 21MB/s	
	Sequential Write up to 16MB/s	
Interface	Compatible with USB 2.0(480Mbps)	
Operating Temperature	-40°C to +85°C	
Reliability	Advanced Wear Leveling	
	TBW** (max.) : 96 TB	
	MTBF @ 25°C: >5,000,000 hours	
	Number of Insertions: 10,000 minimum	
Dimensions: LxWxH (mm)	34.0 x 12.2 x 4.5	26.6 x 12.0 x 4.5

** All TBW data listed are under highest random write value in each product line. The TBW data are subject to change by density, configuration and customers' applications.

Ordering Information

Density	USB Drive-NANODURA	USB Module
512MB	AF512UFNDNC(I)-OEM	AF512UFP3NC(I)-OEM
1GB	AF1GUFNDNC(I)-OEM	AF1GUFP3NC(I)-OEM
2GB	AF2GUFNDNC(I)-OEM	AF2GUFP3NC(I)-OEM
4GB	AF4GUFNDNC(I)-OEM	AF4GUFP3NC(I)-OEM
8GB	AF8GUFNDNC(I)-OEM	AF8GUFP3NC(I)-OEM

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