



ATP USB Drives Industrial Grade

Targeted Product Portfolio, Engineered Specifically for Your Mission Critical Applications



NANODURA

The ATP NANODURA is an industrial USB drive built for mission-critical embedded applications. Suitable for compact systems installed in limited spaces, NANODURA's rugged metal housing and ATP System in Package (SiP) technology offer rugged durability for dependable use in extreme operating temperatures ranging from -40°C to 85°C and resistance to water/moisture, vibration, shock and electrostatic discharge (ESD).

NANODURA offers up to 60,000 program/erase (P/E) cycles, which is 20X higher than other USB drives in the market. The extraordinary endurance, advanced bad block algorithm and global wear leveling make NANODURA an excellent boot drive and ideal storage solution for applications with high performance and high data retention requirements. Hot swap support guarantees maximum availability, allowing drive removal and replacement without shutting down the system.

Key Features

- Global wear leveling
- Bad block management algorithm
- High reliability
- Hot swap supported

Applications

- Medical
- Industrial PC
- Automation applications

Specifications

Product Name		NANODURA	
Product Line		Premium	Superior
Naming		B800Pi	B600Sc
Flash Type		SLC	MLC
Density		512 MB to 8 GB	8 GB to 16 GB
Performance	Sequential Read up to (MB/s)	21	25
	Sequential Write up to (MB/s)	16	18
Interface		Compatible with USB 2.0 (480 Mbps)	
Operating Temperature		-40°C to 85°C	0°C to 70°C
Endurance	TBW* (max.)	192 TB	19.2 TB
	DWPD* (max.)	13.5	1.7
Reliability	MTBF @ 25°C	>5,000,000 hours	>2,000,000 hours
	Number of Insertions	10,000 minimum	
Dimensions: L x W x H (mm)		34.0 x 12.2 x 4.5	

* Under highest Sequential write value. May vary by density, configuration and applications.

Technologies & Add-On Services*		S.M.A.R.T.	Advanced Wear Leveling	Industrial Temperature	SiP (System in Package)
Product Line	Premium	•	•	•	•
	Superior	•	•	Δ	•

Δ: Customization option available on a project basis.

ATP Global Footprint

To learn more about this product, contact your ATP Representative.

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