ZRJ EN1616-EB IPSAN Network Storage

Product Overview

The EN1600-EB series is an entry-level iSCSI SAN storage product tailored for AIoT solutions. It is suitable for scenarios such as small and medium-sized enterprises (SMBs), smart buildings, and parks. It features high performance, high reliability, low power consumption, and excellent user-friendliness, providing users with a comprehensive storage solution.

Main Features

High performance

It supports iSCSI to solve the inherent fragmentation problem of file storage.

The specialized cache algorithm greatly improves disk access performance and extends disk lifespan.

High reliability

It supports disk hot-swap and disk roaming technologies.

It automatically adjusts the rebuild speed of the array group based on the current system load.

Reconstruction in seconds: only the changed parts of the data are rebuilt, shortening the reconstruction time to seconds.

Rapid reconstruction: Data is rebuilt by copying, and endangered data is migrated to a hot spare disk in a short time.

Disk pre-copying supports disk health management and pre-copies data for risky disks.

The automatic array inspection, disk fault repair, and disk bad block remapping functions effectively reduce disk failures.

Disk fault tolerance ensures business continuity even when multiple disks in the array fail.

It supports link aggregation and dynamic fault switching, ensuring data read and write bandwidth while guaranteeing the availability and smoothness of data paths.

Advanced data protection features

Data Vault function: in the event of abnormal system power loss, it continues to supply power to ensure that cached data is written into the Data Vault, thus guaranteeing data integrity.

High-quality hardware design

It supports 19-inch cabinet installation compliant with industry standards, and all components are modular.

It features a cable-free design, where all modules are interconnected via telecom-grade connectors.

It adopts a modular redundant power supply design, supporting hot-swap and online replacement.

The two-level watchdog (software and hardware) ensures that the system can automatically resume normal operations without human intervention in the event of a system failure.

It is equipped with a hardware overload protection mechanism: when the temperature rises abnormally and reaches the hardware protection threshold, the system will automatically shut down to protect disk data.

It supports sequential disk power-on to avoid risks such as sudden current overload, voltage drop, and oscillation caused by powering on a large number of disks simultaneously.

Dustproof, shockproof, and corrosion-resistant

It features a unique disk dustproof and shockproof design, which effectively blocks dust.

The patented disk anti-vibration technology reduces disk resonance transmission and external impacts on disks.

It adopts proprietary anti-corrosion early warning technology and patented disk anti-corrosion technology to minimize external corrosion to disks and extend disk lifespan.

Simple maintenance management

It supports graphical unified management of multiple devices.

It has a powerful and comprehensive alarm mechanism, supporting indicator alarms, email alarms, SMS alarms, digital tube alarms, and SNMP alarms, etc.

Green, environmentally friendly and energy-saving

It puts disks with no data traffic into hibernation to reduce disk power consumption and effectively extend disk lifespan.

It adopts CPU intelligent frequency modulation technology, which automatically adjusts CPU frequency according to system load, effectively saving energy consumption.

It adopts multi-level fan speed regulation technology and intelligent fan speed temperature control, which further reduce system energy consumption.

Specifications

Item	Description
Number of controllers	1
processor	Intel 64-bit multi-core processor
Memory	8GB(EN1616-EB-8G),16GB(EN1616-EB-16G)
Network Interface	3 Gigabit Ethernet ports 4-port 2.5Gbps Ethernet port (optional) 2-port 10 Gigabit Ethernet port (optional) 4-port 10 Gigabit Ethernet port (optional)
PCI-E slot	1
USB interface	2
Serial Port	1*RS232 RJ45 interface
VGA interface	1
Disk Type	SATA/SSD
Number of disk channels	16
Battery	Standard 1/Maximum 1
Power Module	Standard 1/Maximum 2
Power Input	100V~127V/200V~240V AC; 60Hz/50Hz
Weight (Fully configured disk)	<27kg
Power consumption (full disk configuration)	<231W
Dimensions (H×W×D)	131mm*482mm*583mm (with panel and mounting ears)
Certification	CE, FCC, CCC, CQC
Operating temperature	5°C ~ 40°C
Recommended operating temperature	10°C ~ 35°C
RAID Function	Support JBOD, RAID 0, 1, 5, 6 Supports multiple hot backup modes such as automatic blank disk global hot backup and dedicated hot backup

Maximum number of logic resources	1024
Protocol	iSCSI
Supported operating systems	Windows, Linux, AIX, HP-UNIX, Solaris, VMware, etc.
Alerts	Indicator, email, SNMP Trap, SMS, digital tube, etc.

Ordering Information

Product Model	Product Description
EN1616-EB	16-slot network storage device