OceanStor SNS3096
FC Switch

HUAWEI OceanStor SNS3096 is proven and dedicated network infrastructure oriented to data centers. This switch meet storage requirements and provide unparalleled reliability, ease of use, and 16 Gbit/s performance. Using Gen 5 Fibre Channel, the SNS3096 unleashes the full potential of high-density server virtualization, cloud architecture, and the next-generation storage architecture.

Product Features

Superb Cost-Effectiveness and Efficiency

- Provides "pay-as-you-grow" flexibility and Ports on Demand (PoD) capabilities for port expansion, with speeds up to 16 Gbit/s.
- Unleashes the full potential of private cloud with unmatched scalability, performance, and reliability.
- Simplifies and centralizes end-to-end SAN management with comprehensive diagnostics, monitoring, and automation.

Excellent Reliability and Ease-of-Use

Uses enterprise-class Gen 5 Fibre Channel technology to deliver robust reliability and support non-stop running of mission-critical tasks. Advanced monitoring, diagnostics, and RAS functions improve availability, optimize performance, and simplify management to the maximum extent. Enterprise features are as follows:

- Critical diagnostic and monitoring capabilities: Help ensure early fault detection and recovery.
- Non-intrusive and non-disruptive monitoring on every port: Provides a comprehensive end-to-end view of the entire fabric.
- Forward Error Correction (FEC): Enables recovery from bit errors in links, enhancing transmission reliability and performance.
- Extra buffer: Helps overcome performance deterioration and congestion due to buffer credit loss.
- Real-time monitoring of bandwidth consumption by hosts/applications on ISLs: Helps easily identify hot spots and potential network congestion.

Simplified Deployment

- Automated and simplified SAN management enables data centers to quickly adapt to changes, preventing service interruption in the private cloud infrastructure. Advanced diagnostics, monitoring, and management capabilities simplify end-to-end SAN management and reduce costs.
- Simpler server configuration and modification management, advanced cable/optical module diagnostics, and comprehensive management capabilities reduce operational costs.
- Diagnostic Ports (D_Ports) help identify and isolate faults in optical modules and cables, accelerating fabric architecture deployment and fault diagnosis.

Network Advisor software provides comprehensive capabilities to manage the fabric architecture of a data center, such as configuring, monitoring, and managing backbone networks, switches, and adapters, thereby minimizing service interruption.

Technical Specifications

Model	SNS3096
Hardware Specifications	
Number of ports	A maximum of 96 ports At a 24-port increment, the number of general-purpose ports can be increased to 48, 72, or 96 using PoD licenses.
Port types	D_Port、E_Port、EX_Port、F_Port、M_Port
Port rates	Auto-sensing of 2, 4, 8, and 16 Gbit/s
Maximum fabric latency	Latency for locally switched ports is 700 ns.
Aggregate bandwidth	1536 Gbit/s(96 ports x 16 Gbit/s data rate)
Media types	SFP+, LC connector; 16 Gbit/s SWL, LWL, ELWL
Maximum frame size	2112-byte payload
Frame buffers	8192 frames dynamically allocated
Scalability	Full fabric architecture with a maximum of 239 switches
Classes of service	Class 2, Class 3, Class F (inter-switch frames)
USB	One USB port for downloading system log files or upgrading firmware
Software Features	
GUI	LED indicators for key components, Web-based management page, and fault location messages
Manageability	Telnet, HTTP, SNMP v1/v3 (FE MIB, FC Management MIB); auditing, Syslog, change management and tracking; SMI-S compliant; SMI-S script toolkit; administrative domains; trial licenses for add-on capabilities
Physical Specifications	
Power	AC 85 V to 264 V, 5 A to 2.5 A
Dimensions	Height: 86.74 mm (3.42 in.) Width: 429.25 mm (16.90 in.) Depth: 609.75 mm ((24.01 in.)
Weight	16.92 kg (37.3 lb) with two power supply FRUs, without SFP/SFP+ media

For More Information

To learn more about Huawei storage, please contact the local office or visit Huawei Enterprise website http://e.huawei.com.

Huawei Enterprise APP

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