

Huawei

OceanCyber Data Security Appliance



Huawei Technologies Co., Ltd.



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Overview

Huawei OceanCyber Data Security Appliance serves as a security engine for data storage, offering a range of capabilities that includes unified security policy configuration and management, ransomware detection and analysis, and defense for data security for various types of storage devices. OceanCyber helps to build a comprehensive ransomware protection storage solution to strengthen the last line of defense for data security.

Key Features

Unified Security Management

Unified access to various types of storage: Supports OceanStor Dorado all-flash storage, OceanStor hybrid flash storage, OceanProtect backup storage and OceanStor Pacific scale-out storage.

Security situation presentation: Offers visualized management and risk alarm display.

Unified security policy configuration management: Provides configuration of global anti-tamper and detection policies.

Detection & Analysis

99.99% ransomware identification rate*: Huawei-developed detection and analysis features provide comprehensive ransomware detection capabilities for file systems.

High performance (50 TiB/hour): The Snapdiff technology for snapshots greatly improves the detection and analysis performance.

Backup Copy In-Depth Detection: identifies whether the original backup copy files on OceanProtect Backup Storage are infected.

Proactive Defense

Real-time alarm: Displays risks such as blocklist interception, abnormal read/write behavior, and file damage.

Multi-layer recovery: Supports recovery of multiple types of data and orchestration of recovery tasks in storage systems, including snapshot copy recovery for file systems and shared recovery for clone file systems.

Storage-network collaboration

Collaborative handling and recovery: Network security device exceptions are notified to storage devices in advance to trigger Air Gap link disconnection and blocklist update for file interception.

Technical Specifications



Specifications	Description	OceanCyber 300 Data Security Appliance
Storage Device Compatibility	Supported device models	OceanStor Dorado, OceanStor hybrid flash storage, OceanStor Pacific, OceanProtect (For details, kindly check Huawei storage interoperability navigator)
	Max. number of connected storage devices	8
Security Situation Display	Ransomware detection report	Supported
Ransomware Detection and Analysis	NAS file system ransomware detection	Supported
Security Isolation	Air Gap policy management	Supported
Security Response	Ransomware event alarm	Supported
Secure Recovery	Unified management and recovery of secure copies	Supported
Ransomware Detection Performance of NAS File System	Detection and analysis performance	50 TiB/hr
	Max. detectable file numbers	23 billion
Protected Resource/Copy	Max. number of snapshots	64,000
	Max. number of snapshots per file system	4,096
Fault/Event Alarm	Alarm/event monitoring, alarm clearance, and alarm reporting	Supported
User Role	System administrator, administrator, and auditor	Supported
System Language	Supported language	Chinese and English
	System language switch	Dynamic switching is supported
Port	GE network port x 2; iBMC network port x 1; 10/25GE optical port x 2	
Dimensions (H x W x D)	86.1 mm (2 U) x 447 mm x 790 mm	

* For further details on specifications, please contact Huawei sales.

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