ORIGO

OS2228

28-Port Gigabit Configurable Switch

26x10/100/1000Base-T (RJ-45), 2x1000Base-X SFP, DIP Switch, 19" rack mounting

OS2228 is a configurable switch with 26 x 10/100/1000Base-T ports and 2 x 1000Base-X SFP ports.

The ORIGO OS2228 switch is a modern gigabit solution with optic uplink ports for connecting workgroups on enterprises, in offices, classrooms and medical facilities.

The OS2228 switch supports enhanced functions for configurable switch such as traffic control, ensuring network protection and smooth operation. All the functions can be activated with the DIP switch on the casing.

The Loop Detection / Loop Prevention support allows to monitor loops on ports and prevent switch overload.

VLAN Mode allows to provide traffic segmentation for connected devices and ensure security of transmitted data.

In Network Cloning Mode, traffic can be transmitted between all ports of the switch, while IEEE 802.3x Flow Control is disabled.

The modes are configured in hardware with the DIP switch.

The OS2228 switch also supports 802.1p QoS for priority transmission of time sensitive traffic, broadcast storm control and IGMP Snooping for improved operation with multicast applications.

Key Features

- 26 x 10/100/1000Base-T (RJ-45) ports with auto speed negotiation
- 2 x 1000Base-X SFP ports for fiber connection
- DIP switch for activating the operating modes
- Standard mode with Loop Detection / Loop Prevention support
- VLAN mode for isolating traffic between ports
- Network Cloning mode for disabling IEEE 802.3x flow control
- Configuring the operating modes with the DIP switch
- 802.1p QoS and IGMP Snooping support
- 802.3az Energy-Efficient Ethernet
- 19" rack mounting

ORIGO

DIP Switch Operating Modes

Standard Mode

The traffic can be transmitted between all ports of the switch.

Network Cloning Mode

The traffic can be transmitted between all ports of the switch, while IEEE 802.3x Flow Control is disabled.

VLAN Mode

The traffic cannot be transmitted between ports 1-24, but each of these ports can exchange traffic with ports 25-28.

Functions	Operating Modes		
	Standard	Network Cloning	VLAN
Loop Detection	On	Off	Off
Loop Prevention	On	Off	Off
Port Isolation	Off	Off	On
IGMP	On	On	On
Flow Control	On	Off	On
Storm Control	On	On	On
EEE	On	On	On

SORIGO

Specifications

Hardware

Chipset	• EN8853D
Interfaces	• 26 x 10/100/1000Base-T (RJ-45) ports • 2 x 1000Base-X SFP ports
Standards and Functions	• IEEE 802.3 10Base-T • IEEE 802.3u 100Base-TX • IEEE 802.3ab 1000Base-T • IEEE 802.3z 1000Base-X • IEEE 802.3x (Flow Control) • IEEE 802.3az Energy-Efficient Ethernet (EEE) • IEEE 802.1p (QoS) • IGMP Snooping • Auto MDI/MDIX adjustment

DIP Switch Operating Modes	• Standard
	  - Transmitting traffic between all ports
	  - Loop Detection/ Loop Prevention
	  - IEEE 802.3x Flow Control
	  - Broadcast Storm Control
	  - IGMP
	  - Energy Saving function (EEE)
	
	• Network Cloning
	  - IEEE 802.3x Flow Control is disabled on all ports
	  - Broadcast Storm Control
	  - IGMP
	  - Energy Saving function (EEE)
	
	• VLAN
	  - Traffic isolation for ports 1-24
	  - IEEE 802.3x Flow Control
	  - Broadcast Storm Control
	  - IGMP
	  - Energy Saving function (EEE)

LEDs	• Power
	  - Always bright green - Power on state
	  - Off – Power off state

	• Link/Act (ports 1 – 28)
	- Always bright green – Terminal device is connected
	- Blinking green - Data pass
	- Off – No connection
	• Loop
	- Blinking green - Loop is detected in the network
	- Off - Proper network operation
Power	• Power connector (AC)
Casing	• Metal
Mounting	• Desktop
	• 19" rackmount

Performance

Switching Capacity	• 56 Gbps
Transfer Mode	• Store-and-forward
MAC Address Table Size	• 8K entries
Packet Forwarding Rate	• 41.664 Mpps
Packet Buffer	• 512 KB
Jumbo Frame	• 15 KB

Physical Parameters

Dimensions (W × D × H)	• 440 x 180 x 44.5 mm

Operating Conditions

Power Input	• 100-240 V AC, 50/60 Hz
Power Consumption	• 11.41 W
Temperature	• Operating: 0 to 50 °C
	• Storage: -40 to 70 °C
Humidity	• Operating: 10% to 90% (non-condensing)
	• Storage: 5% to 90% (non-condensing)

ORIGO

Package Contents

Package Contents	• OS2228 Switch
	• Power Cord
	• 19" Rack-Mount Kit
	• Quick Installation Guide

Order Info

OS2228	Configurable Switch, 26x1000Base-T, 2x1000Base-X SFP