

MS116GS

Mercusys 16-Port Gigabit Desktop/Rackmount Switch



Specifications

About this product

The Mercusys MS116GS is a 16-port Gigabit desktop/rackmount switch with 16 x 10/100/1000 Mbps RJ45 ports, 32 Gbps switching capacity, Auto-Negotiation, Auto MDI/MDIX, Isolation Mode and Loop Prevention. Its plug and play design makes it suitable for expanding wired networks in homes, offices and other network environments. Buy the Mercusys MS116GS online

for reliable Gigabit network expansion in South Africa.

Overview Summary

The Mercusys MS116GS is a 16-port Gigabit Ethernet switch designed to expand wired network connectivity with 16 x 10/100/1000 Mbps RJ45 ports. It provides a 32 Gbps switching capacity and supports Auto-Negotiation and Auto MDI/MDIX for straightforward Ethernet connectivity. The switch uses Store and Forward transfer and supports IEEE 802.3i, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3x and IEEE 802.1p standards.

The MS116GS combines practical network management features with a durable metal casing and a desktop or rackmount installation design. Isolation Mode provides one-click client traffic separation for ports 1-14, while Loop Prevention helps detect and address network loop issues. Plug and play operation allows connected devices to be added without complicated configuration.

Performance tier:Gigabit network switch

Uses:home networks, small offices, wired Ethernet expansion, computers, printers, IP cameras, 4K UHD TVs, game consoles

Overview

Mercusys 16-port Gigabit switch: Supports IEEE 802.3i/u/ab/x/1p standards with 16x10/100/1000 Mbps RJ45 ports, auto-negotiation/MDI/MDIX, 32 Gbps switching capacity, and 8K MAC table for seamless connectivity. Delivers store-and-forward transfer, 802.3x flow control, 802.1p/DSCP QoS, loop prevention, port isolation, and LED indicators in a compact 294x140x44 mm metal chassis. Powered by 100-240VAC adapter, CE/RoHS certified, operates at 0-40degreesC (10-90% humidity) with storage to -40-70degreesC for reliable small business or home office use.

Description

The Mercusys MS116GS provides a practical way to expand a wired Ethernet network with 16 Gigabit RJ45 ports. Each port supports 10/100/1000 Mbps operation with Auto-Negotiation and Auto MDI/MDIX, allowing compatible Ethernet devices to connect without manual speed or cable configuration.

With a 32 Gbps switching capacity and Store and Forward transfer method, the MS116GS is designed for reliable packet forwarding across a busy wired network. IEEE 802.3x flow control and IEEE 802.1p/DSCP QoS support help manage network traffic, while the 8K MAC address table supports connected network devices.

The switch includes Isolation Mode for one-click traffic separation across ports 1-14. This can help separate client traffic and reduce the impact of broadcast traffic on the network. Loop Prevention can automatically detect network loops and block the corresponding port to help prevent disruptions.

The durable metal casing supports heat dissipation and provides a robust enclosure for network equipment. The MS116GS can be positioned on a desktop or installed in a rack, providing flexible deployment for different network environments. Its plug and play design requires no complicated configuration for basic operation.

Features

The Mercusys MS116GS combines Gigabit connectivity with practical network management and installation features for home and business wired networks.

- 16 Gigabit Ethernet ports: Provides 16 x 10/100/1000 Mbps RJ45 ports for connecting multiple wired devices.
- 32 Gbps switching capacity: Provides high-capacity switching for simultaneous wired network traffic.
- Auto-Negotiation: Automatically negotiates the appropriate Ethernet connection speed.
- Auto MDI/MDIX: Simplifies Ethernet connections by automatically detecting the required cable configuration.
- Isolation Mode: Provides one-click client traffic separation for ports 1-14.
- Loop Prevention: Detects network loops and blocks the corresponding port to help prevent network disruptions.
- Store and Forward: Uses Store and Forward packet transfer for network switching.

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- 802.3x Flow Control: Supports flow control for managing network traffic.
- 802.1p/DSCP QoS: Supports traffic prioritization features for supported network traffic.
- Plug and play: Allows the switch to be connected and used without complicated configuration.
- Desktop or rackmount installation: Can be deployed on a desktop or installed in a rack.
- Metal casing: Provides a durable enclosure designed for efficient heat dissipation.
- Silent operation: Designed for quiet operation in suitable network environments.
- Energy-efficient operation: Automatically adjusts power consumption according to network conditions.

Connect More with 16 Gigabit Ports

Quickly expand your wired network with sixteen 10/100/1000 Mbps Ethernet ports-10 times faster than regular 10/100 Mbps Ethernet ports. MS116GS offers flexible connectivity and is fully compatible with 4K UHD TVs, computers, printers, IP cameras, game consoles, and more.

One-Click Traffic Separation

With one click, Isolation Mode easily divides traffic for ports 1-14 to avoid snooping and tampering. This enables the switch to isolate broadcast storm, improving LAN security and data transmission.

Prevent Network Loops

Automatically detect loops and block the corresponding port while the power and port indicator flash slowly to alert. Easy to monitor and address loop-related issues within your network.

Durable, Silent, and Flexible

MS116GS's durable metal case allows for efficient heat dissipation, excellent signal interference prevention, reliable equipment stability, and a long network life. And you can put the switch on desk or rack mount to meet your demand.

Plug and Play

Forget about complicated installation. Just connect the switch to your TV or computer via an Ethernet cable to immediately expand your wired network. No configuration is required.

Reliable Performance

With a non-blocking switching design, MS116GS enables packets to be forwarded and filtered at the full capacity of the wired connection. MS116GS incorporates IEEE 802.3x flow control for Full Duplex operation and backpressure mechanisms for Half Duplex, effectively managing traffic congestion and ensuring reliable performance.

Go Green with Your Ethernet

You now have the choice to go green when upgrading to a gigabit network! MS116GS features the latest innovative energy-efficient technologies to greatly expand your network capacity with much less power. It automatically adjusts power consumption to limit the carbon footprint of your network.

What's in the Box

- Mercusys MS116GS 16-Port Gigabit Desktop/Rackmount Switch
- Power Cord
- Rubber Feet
- Rackmount Kit
- Installation Guide

Specifications

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Specifications

Product Code	MS116GS
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Software

Transfer Method	Store and Forward
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Advanced Features	802.3X Flow Control, 802.1P/DSCP QoS, Loop Prevention, Isolation
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Hardware

Dimensions (W X D X H)	294*140*44mm (11.6*5.5*1.7 in)
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Interfaces	16x10/100/1000Mbps RJ45 Ports, Auto-Negotiation, Auto MDI/MDIX
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External Power Supply	100-240VAC, 50/60Hz
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Standards and Protocols	IEEE 802.3i, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3x, IEEE 802.1p
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Switching Capacity	32 Gbps
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LED	Power, Link/Act, 1000Mbps
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Mac Address Table	8K
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Others

Certifications	CE, RoHS
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Environment	Operating Temperature: 0degreesC to 40degreesC (32degreesF to 104degreesF)
	Storage Temperature: -40degreesC to 70degreesC (-40degreesF to 158degreesF)
	Operating Humidity: 10% to 90% non-condensing
	Storage Humidity: 5% to 90% non-condensing

FAQ

What is the Mercusys MS116GS used for?

The Mercusys MS116GS is used to expand a wired Ethernet network by providing 16 x 10/100/1000 Mbps Gigabit RJ45 ports for compatible network devices.

How many devices can the MS116GS connect?

The switch provides 16 RJ45 Ethernet ports for connecting compatible wired network devices.

Does the Mercusys MS116GS support Gigabit Ethernet?

Yes. All 16 RJ45 ports support 10/100/1000 Mbps Ethernet, including Gigabit Ethernet connectivity.

Does the MS116GS require configuration?

No. The MS116GS supports plug and play operation, so basic network expansion does not require complicated configuration.

What is Isolation Mode on the MS116GS?

Isolation Mode provides one-click client traffic separation for ports 1-14, helping separate client traffic and improve network

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traffic management.

What does Loop Prevention do on the MS116GS?

Loop Prevention detects network loops and blocks the corresponding port to help prevent disruptions caused by looping within the network.

Can the MS116GS be mounted in a rack?

Yes. The MS116GS supports rackmount installation and includes a rackmount kit. It can also be used as a desktop switch.

What type of Ethernet cables can be used with the MS116GS?

For 10BASE-T connections, the specified cable types are UTP Category 3, 4 or 5 with a maximum length of 100 m. For 100BASE-TX and 1000BASE-T connections, UTP Category 5, 5e or above cable is specified with a maximum length of 100 m.

What is the switching capacity of the Mercusys MS116GS?

The MS116GS has a 32 Gbps switching capacity.

Does the MS116GS support traffic prioritization?

Yes. The switch supports IEEE 802.1p/DSCP QoS for traffic prioritization.

What devices can be connected to the MS116GS?

The switch can be used with compatible Ethernet devices such as computers, printers, IP cameras, 4K UHD TVs and game consoles.

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page:

<https://www.comx-computers.co.za/MS116GS-Mercusys-16-Port-Gigabit-Desktop-Rackmount-Buy-p-340654.php>

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