

# 28-Port Gigabit Rackmount Switch with 24-Port PoE+

Model: MS128GP

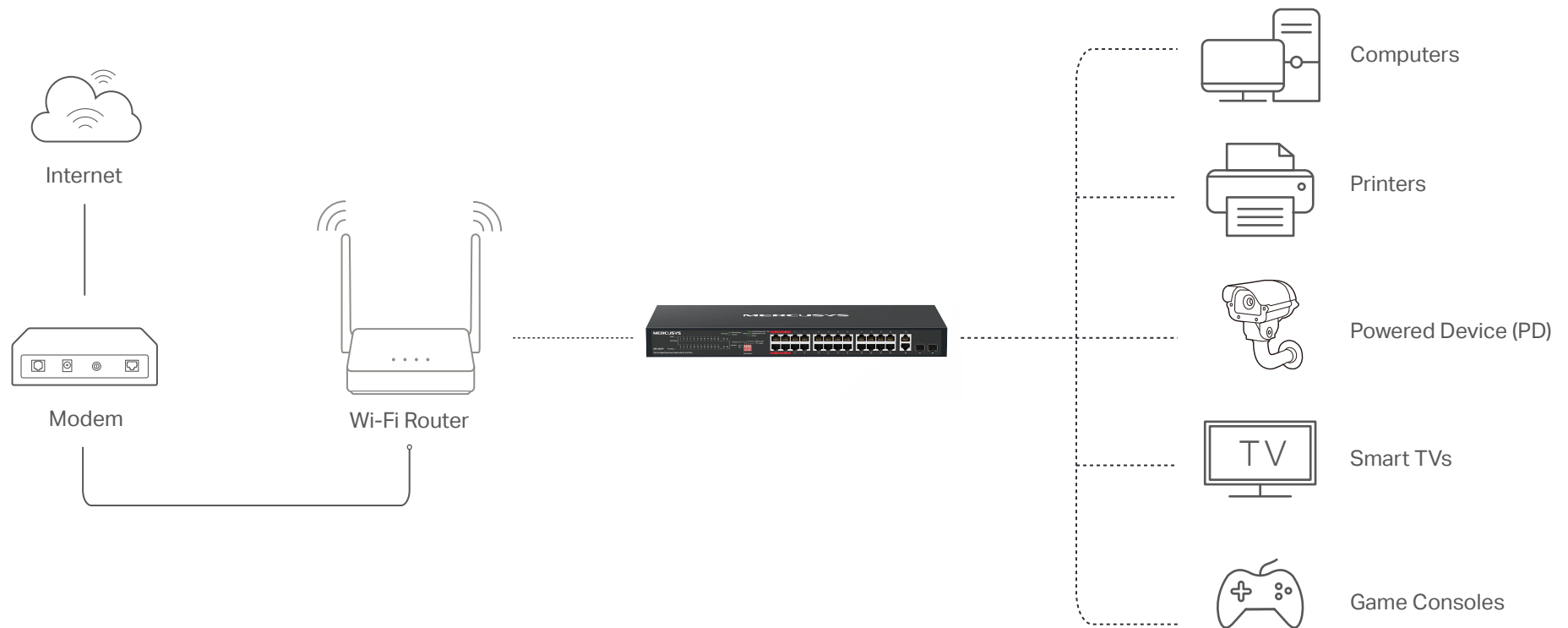
## // Highlights

- 24× Gigabit PoE+ RJ45 ports, 2× Gigabit non-PoE RJ45 ports, and 2× Gigabit SFP slots.
- High PoE power budget with up to 30 W for each PoE port and 295 W\* for all PoE ports.
- Working with IEEE 802.3af/at compliant PDs.
- Up to 250 m data and power transmitting range under Extend Mode.\*\*
- High-priority transmission for ports 1–4 to guarantees the quality of sensitive applications like video monitor.
- Isolation Mode allows fast client traffic separation for higher security and performance.
- PoE Auto Recovery guarantees stable operation of PoE devices by automatically rebooting the dropped or unresponsive PD devices.
- Plug and Play. No configuration or central management required.



## // Connections

The MS128GP is a 28-port gigabit rackmount switch with 24-port PoE+, ideal for small and medium business IPC surveillance with 295 W PoE budget. The plug-and-play design makes it easy for deployment without the need for a technician.



## // Specifications

|                           |                                                                                                                                                                                                                            |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Picture           |                                                                                                                                          |
| Model                     | MS128GP                                                                                                                                                                                                                    |
| Standards                 | IEEE 802.3i, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3x, IEEE 802.3z, IEEE 802.3af, IEEE 802.3at                                                                                                                               |
| Interface                 | 24× 10/100/1000 Mbps PoE+ RJ45 Ports<br>2× 10/100/1000 Mbps RJ45 Ports<br>2× Gigabit SFP Slots                                                                                                                             |
| Transmission Medium       | 10BASE-T: 2-pair UTP/STP of Cat. 3 or above (≤100 m)<br>100BASE-TX: 2-pair UTP/STP of Cat. 5 or above (≤100 m)<br>1000BASE-T: 4-pair UTP/STP of Cat. 5e or above (≤100 m)<br>1000BASE-X: MMF, SMF                          |
| PoE                       | PoE Standard: compatible with 802.3af/at PDs<br>PoE Port 1–24, up to 30 W per port<br>PoE Power Budget 295 W*                                                                                                              |
| Auto-Negotiation          | YES                                                                                                                                                                                                                        |
| Auto MDI/MDIX             | YES                                                                                                                                                                                                                        |
| PoE Power on RJ45         | Power+: pin 3 & pin 6<br>Power -: pin 1 & pin 2                                                                                                                                                                            |
| Max Power Consumption     | 350.14 W (110V/60 Hz @ 25 °C, with 295 W PD connected)<br>336.58 W (220V/50 Hz @ 25 °C, with 295 W PD connected)                                                                                                           |
| Max Heat Dissipation      | 1193.98 BTU/hr (110V/60 Hz @ 25 °C, with 295 W PD connected)<br>1147.74 BTU/hr (220V/50 Hz @ 25 °C, with 295 W PD connected)                                                                                               |
| Standby Power Consumption | 3.74 W (110V/60 Hz @ 25 °C)<br>4.01 W (220V/50 Hz @ 25 °C)                                                                                                                                                                 |
| Forwarding Mode           | Store and Forward                                                                                                                                                                                                          |
| Switch Capacity           | 56 Gbps                                                                                                                                                                                                                    |
| MAC Address Table         | 8K, Auto-learning, Auto-aging                                                                                                                                                                                              |
| Auto Recovery             | YES                                                                                                                                                                                                                        |
| Extend Mode               | YES                                                                                                                                                                                                                        |
| Isolation Mode            | YES                                                                                                                                                                                                                        |
| Flow Control              | YES                                                                                                                                                                                                                        |
| Fan Quantity              | 2                                                                                                                                                                                                                          |
| Noise                     | 46.5 dBA max @ 50cm 25 °C<br>29.5 dBA min @ 50cm 25 °C                                                                                                                                                                     |
| LED                       | Power, Link/Act, PoE Status, PoE Max                                                                                                                                                                                       |
| Dimensions                | 440*180*44 mm (17.3*7.1*1.7 in)                                                                                                                                                                                            |
| Certification             | CE, RoHS                                                                                                                                                                                                                   |
| Environment               | Operating Temperature: -10 °C to 45 °C (14 °F to 113 °F)<br>Storage Temperature: -40 °C to 70 °C (-40 °F to 158 °F)<br>Operating Humidity: 10% to 90% RH, non-condensing<br>Storage Humidity: 5% to 90% RH, non-condensing |

## // Package Contents

- 28-Port Gigabit Rackmount Switch with 24-Port PoE+ (MS128GP)
- Power Cord
- Installation Guide
- Mounting Brackets and Fittings

\*PoE budget calculations are based on laboratory testing. Actual PoE power budget is not guaranteed and will vary as a result of client limitations and environmental factors.  
\*\*The speed of the ports which are under extend mode will be downgraded to 10 Mbps. Actual transmission distance may vary from the quality of the cables.

For more information, please visit [www.mercusys.com](http://www.mercusys.com)