

## Goalake 24-Port Easy Managed Gigabit Switch

# Goalake Easy Smart Managed Ethernet Switch

MODEL: 24-PORT EASY MANAGED GIGABIT SWITCH

Brand: Goalake

## 1. Introduction

This manual provides comprehensive instructions for the installation, operation, maintenance, and troubleshooting of your Goalake Easy Smart Managed Ethernet Switch (24-Port Gigabit). This device is designed to expand your network connectivity with high-speed, reliable performance and offers advanced management features suitable for various environments.

## 2. Product Overview

### 2.1 Key Features

- **24 Gigabit Ethernet Ports:** Provides extensive connectivity and high bandwidth for all your network devices.
- **Easy Smart Management:** Configure and manage your network effortlessly via a dedicated mobile application or a comprehensive web interface.
- **Advanced Network Features:** Includes Quality of Service (QoS) for traffic prioritization, 802.1Q VLAN support for network segmentation, static MAC addressing, storm control, and port mirroring.
- **Robust Construction:** Features a sturdy metal casing and an industrial-grade fan design for efficient heat dissipation and reduced noise, ensuring stable operation in various temperature environments.
- **Multiple Network Protection:** Incorporates overcurrent, overload, and short-circuit protection mechanisms for enhanced safety and reliability.
- **Flexible Installation:** Supports both desktop placement and wall mounting for convenient deployment.

### 2.2 What's in the Box

- 1 x Goalake 24-Port Easy Smart Managed Ethernet Switch

### 2.3 Product Dimensions

The switch features a compact design for versatile placement.



Figure 1: Goalake 24-Port Gigabit Switch dimensions (19 inches wide, 10.63 inches deep, 1.77 inches high).

## 3. Setup

### 3.1 Connecting the Switch

1. **Power Connection:** Connect the provided power cable to the switch's power input and then to a power outlet. The power LED on the switch will illuminate.
2. **Connect to Router:** Use an Ethernet cable to connect one of the switch's ports to your router or modem. This port will serve as the uplink for your network.
3. **Connect Devices:** Connect your network devices (e.g., computers, IP cameras, access points, IP phones) to the remaining Ethernet ports on the switch using standard Ethernet cables.



Figure 2: Easy setup steps: Connect to Power, Connect Devices, Enjoy.

### 3.2 Physical Installation

The switch can be placed on a desktop or mounted on a wall. Ensure adequate ventilation around the device to prevent overheating.



Figure 3: Connectivity diagram for the 24-Port Easy Smart Managed switch.

## 4. Operating Instructions

### 4.1 Plug & Play Operation

For basic network expansion, the Goalake switch operates as a plug-and-play device. Once powered on and connected to your router and devices, it will automatically detect and configure connections without requiring any manual setup.



Figure 4: Plug and Play features of the Goalake switch.

## 4.2 Smart Management via App/Web Interface

For advanced configuration and monitoring, the switch can be managed via a mobile application or a web-based interface. This allows for remote and local control over network settings.



Figure 5: Effortless network management through web and app interfaces.



Figure 6: Managing the Goalake Cloud Managed Switch via computer and mobile applications.

Download the mobile application for Android or iOS:

[Android App \(Google Play\)](#)

[iOS App \(Apple App Store\)](#)



Figure 7: QR codes for downloading the mobile management application.

## 5. Advanced Features

### 5.1 VLAN (Virtual Local Area Network)

VLAN support allows you to segment your network into logical groups, improving traffic management and security. This is particularly useful for separating different types of network traffic, such as surveillance, office, and guest networks.



Figure 8: VLAN for flexible network segmentation.

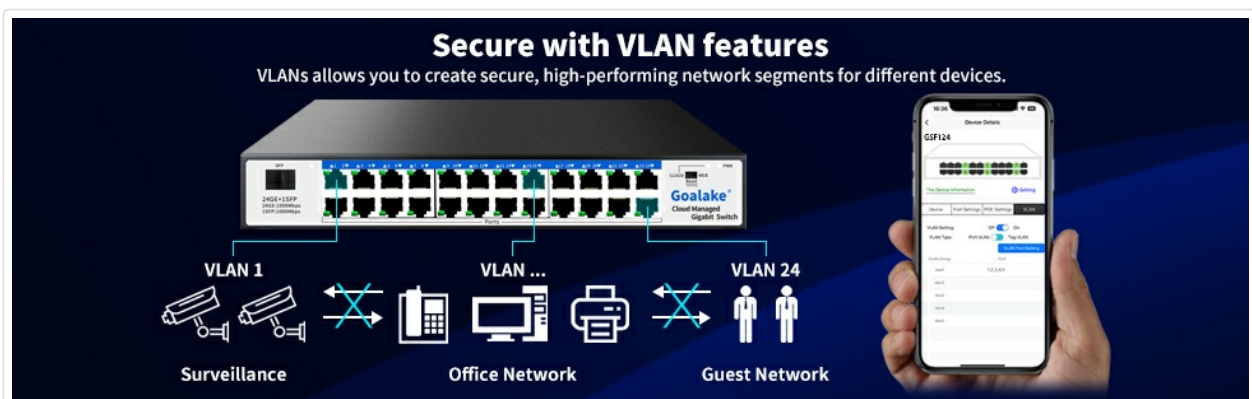


Figure 9: Secure network with VLAN features, configurable via app.

### 5.2 QoS (Quality of Service)

QoS allows you to prioritize network traffic, ensuring optimal performance for latency-sensitive applications like video conferencing or VoIP. This prevents lag and ensures smooth operation even under heavy network load.



Figure 10: QoS ensures a lag-free experience for critical applications.

### 5.3 Intelligent Cloud Detection & Traffic Monitoring

The Goalake cloud switch offers online monitoring of each device's status. By detecting port color, you can quickly understand network performance and data transmission status. The management interface also provides traffic monitoring and abnormality troubleshooting, allowing you to set port bandwidth and implement speed limits with a single click.



Figure 11: Intelligent cloud detection and port status monitoring.

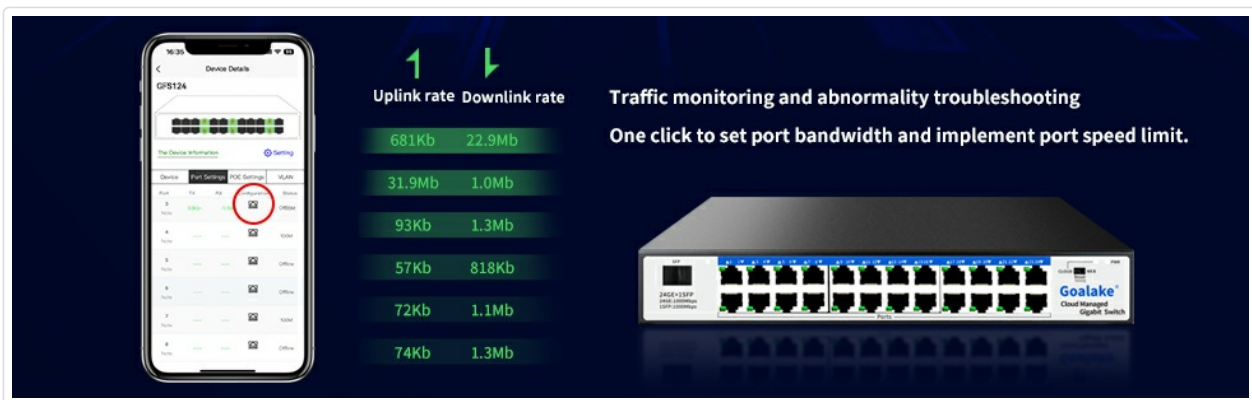


Figure 12: Traffic monitoring and bandwidth control via the app.

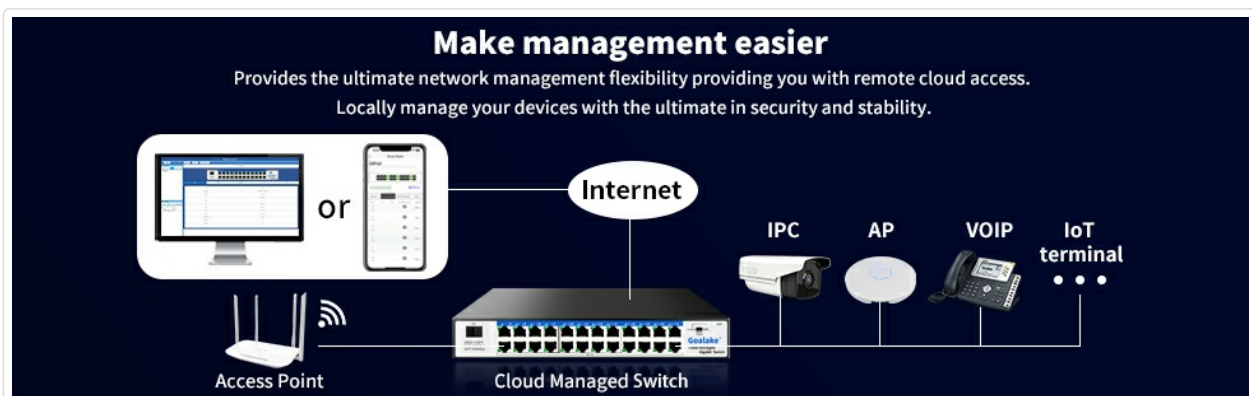


Figure 13: Flexible management options for various network scenarios.

## 6. Maintenance

- **Cleaning:** Regularly clean the exterior of the switch with a soft, dry cloth. Do not use liquid or aerosol cleaners.
- **Ventilation:** Ensure that the ventilation holes on the sides of the switch are not obstructed to maintain proper airflow and prevent overheating.
- **Firmware Updates:** Check the Goalake website or app periodically for firmware updates to ensure optimal performance and security.
- **Power Cycle:** If the device experiences issues, try power cycling it by unplugging the power cable, waiting 10 seconds, and then plugging it back in.

## 7. Troubleshooting

- **No Power:** Ensure the power cable is securely connected to both the switch and a working power outlet. Check if the power adapter is functioning correctly.
- **No Network Connectivity:** Verify that all Ethernet cables are securely connected to the switch and the respective devices. Check the status LEDs on the switch ports; a solid or blinking light indicates an active connection. Ensure your router/modem is functioning correctly.
- **Slow Network Speed:** Confirm that all connected devices and cables support Gigabit Ethernet speeds. Check for excessive network traffic or potential bottlenecks. Utilize QoS settings to prioritize critical traffic.
- **Management Interface Unreachable:** Ensure the switch is powered on and connected to your network. Verify your device (computer/smartphone) is on the same network segment as the switch. Check the IP address settings if configured manually.
- **Intermittent Connection:** Inspect Ethernet cables for damage. Ensure the switch is placed in a well-ventilated area to prevent overheating.

## 8. Specifications

Attribute	Value
Item Weight	0.95 Kilograms (2.09 pounds)
Interface Type	RJ45
Data Transfer Rate	1 Gigabits Per Second
Manufacturer	GI
Package Dimensions	12.24 x 9.92 x 3.11 inches
Item model number	24 Gigabit Ports Easy Managed
Number of Ports	24
Included Components	24 port managed switch
Color	black
Compatible Devices	Camera, Desktop, Laptop

## 9. Warranty and Support

Goalake cloud managed switches offer a comprehensive one-year after-sales service plan. Should any issues

arise within the first year from your order date, we offer replacements to ensure your satisfaction. Customer satisfaction is our top priority, and we are committed to providing excellent after-sales service.

For support, please contact Goalake after-service. Any problem within the first year of purchase, simply contact our after-service, and we'll send you a brand-new replacement.