

8-Port Ethernet + 2-Port Fiber Gigabit PoE+ Managed Switch

Model:KH0800_POE

Features

- **Advanced Routing and ARP Capabilities:**
Supports **128 IPv4 static routes** and up to **1024 ARP entries**, meeting the routing demands of complex network environments.
- **Flexible Port Management:**
Offers **granular port bandwidth and traffic configuration**, combined with **fiber port DDMI (Digital Diagnostic Monitoring Interface)**, enabling comprehensive network control.
- **Versatile VLAN Segmentation:**
Supports **IEEE 802.1Q VLAN**, **Protocol VLAN**, and **QinQ VLAN**, allowing users to flexibly partition virtual local area networks (VLANs) based on actual requirements.
- **QoS for Service Quality Assurance:**
Supports three priority modes: **Port-based**, **802.1P**, and **DSCP**, along with four queue scheduling algorithms: **Equ**, **SP**, **WRR**, and **SP+WRR**, ensuring smooth operation of critical services.
- **ACL for Access Control:**
Implements precise packet filtering by configuring **matching rules**, **processing actions**, and **time permissions**, providing flexible security access control policies.
- **Multicast Support:**
Supports **IGMP V1/V2** multicast protocols and **IGMP Snooping V1/V2/V3**, catering to the needs of multi-terminal HD video surveillance and video conferencing.
- **Loop Protection:**
Supports **STP/RSTP/MSTP** spanning tree protocols and **ERPS** (Ethernet Ring Protection Switching) for rapid ring network protection, effectively eliminating Layer 2 loops and enabling link redundancy.
- **Link Aggregation:**
Supports **static aggregation** and **dynamic aggregation (LACP)**, increasing link bandwidth, achieving load balancing and link redundancy, and enhancing link reliability.

Product Image



Specifications Overview

- Downstream Ports: 8 x 10/100/1000Base-T RJ45 Ethernet Ports
- Upstream Ports: 2 x 100/1000M SFP Fiber Ports (Optional Single-mode/Multi-mode, Single-fiber/Dual-fiber Modules, LC/SC Connectors)
- Multi-mode: 850nm/0~550M, 50µm/125µm & 62.5µm/125µm
- Single-mode: 1310nm/0~40KM, 1550nm/0~120KM, 9.5µm/125µm
- Management Port: 1 x Console Port (115200, 8, N, 1)
- PoE Ports: Ports 1-8 support IEEE 802.3af/at standard PoE power supply, transmission distance 100-250 meters
- Management Type: L2+ Managed Switch
- Network Protocols:
 - IEEE 802.3 10BASE-T
 - IEEE 802.3i 10Base-T
 - IEEE 802.3u 100Base-TX
 - IEEE 802.3x Flow Control
 - IEEE 802.3ab 1000Base-T
 - IEEE 802.3z 1000Base-X
 - IEEE 802.3ad LACP Link Aggregation
 - IEEE 802.1D/STP Spanning Tree Protocol
 - IEEE 802.1w Rapid Spanning Tree Protocol
 - IEEE 802.1s Multiple Spanning Tree Protocol
 - IEEE 802.1p Class of Service
 - IEEE 802.1Q VLAN Tagging
- **PoE and Power Characteristics:**
 - PoE Ports: Ports 1-8 support IEEE 802.3af/at standard PoE power supply
 - PoE Management: Supports per-port PoE On/Off and Reset, real-time power display
 - Power Pins: Default 1/2 (+), 3/6 (-)
 - Max PoE Power per Port: 30W
 - Total Power/Input Voltage: 120W (AC 100-240V)
 - Power Consumption: Standby <8W, Full Load <120W
 - Power Supply: Built-in AC switching power supply (AC 100-240V, 50-60Hz, 2.0A)
- **Software Management Features:**
 - Ports: Supports flow control, port rate limiting, traffic management, and jumbo frame size control
 - IP Routing: Supports IPv4 static routing and default routing
 - VLAN: Supports port-based and protocol-based VLAN (up to 4K)
 - Port Aggregation: Supports LACP dynamic aggregation, up to 5 groups, each group supports 8 ports
 - Ring Network: Supports STP/RSTP/MSTP, ERPS rapid ring network (self-healing time <20ms)
 - Multicast: Supports IGMP Snooping v1/v2/v3 (up to 1024 groups)
 - QoS: Supports multiple priority scheduling modes and rate limiting
 - ACL: Supports L2-L4 ACL policies and VLAN-based ACL deployment

Security Features: Supports hierarchical user management, SSH encryption, ARP intrusion detection, DoS attack prevention, etc.

DHCP: Supports DHCP Server/Client/Snooping

Management and Maintenance: Supports Web management, CLI command line, SNMP (V1/V2c/V3)

Packaging contents

- 1 X KH0800_POE
- 1 X Power Cord
- 1 X Rack Mount Kit