

DATASHEET

ER- MGS3936



Products

Unique.

In addition to the most famous brands, we are specialized in providing solutions with alternative products to impress customers and competitors. Customized. The flexibility of our vendors, allows us to get out of the box to find the perfect cut on the needs of the customer.

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ER- MGS3936

FEATURES:

- 8*10/100/1000M RJ45 ports+24*1000M SFP fiber port+4*10G(SFP+) fiber ports Managed Ethernet Convergence/Core switch;
- Bandwidth:598Gbps, Packet forwarding cache:32M;
- Support QOS, STP/RSTP, IGMP, DHCP, SNMP, WEB, VLAN, ERPS etc.;
- Compatible with 1U rack, built-in internal power adapter;
- Support spanning tree STP(802.1D) and RSTP(802.1W);

INTRODUCTION:

The ER-MGS3936 is a L2+ managed core Ethernet switch, with 8*10/100/1000M RJ45 ports +24*100M/1000M SFP slot ports +4*10G slot ports. ER-MGS3936 support static routing forwarding, support complete security protection mechanism, perfect ACL/QoS strategy and rich VLAN function, easy to manage and maintain. Support multiple network redundancy protocols STP/RSTP/MSTP (<50ms) and (ITU-T G.8032) ERPS to improve link backup and network reliability. When one way network fails, communication can be recovered quickly to ensure uninterrupted communication of important applications. According to the actual application needs, through Web network management mode, PoE power management, port traffic control, VLAN partition, SNMP and other functions of a variety of application business configuration.

| Model | ER- MGS3936 |
|-----------|---|
| Interface | 8*10/100/1000M RJ45 ports (Data); 24*100/1000M SFP ports (Data) 4*1/10G SFP+ uplink fiber ports (Data) |

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| | |
|--------------------|---|
| Network Managed | L2+ |
| Tape | |
| Network Protocol | IEEE802.3 10BASE-T; IEEE802.3i 10Base-T; IEEE802.3u 100Base-TX; IEEE802.3ab 1000Base-T; IEEE802.3z 1000Base-LX/SX/CX; IEEE802.3ae 10GBase-SR/LR; IEEE802.3x |
| Ethernet Port | Port1-8 10/100/1000Base-T, auto-sensing, full/half duplex MDI/MDI-X self-adaption |
| Feature | |
| SFP Port | Gigabit/10 Gigabit SFP fiber interface, default matching fiber modules, need to buy |
| Characteristic | separately, (optional single-mode/multi-mode, single fiber / dual fiber module, LC) |
| Forwarding Mode | Store and Forward (Full Wire Speed) |
| Switching Capacity | 598Gbps |
| Forwarding | 107.14Mpps |
| Rate@64byte | |
| MAC Address Table | 32K |
| Buffer Memory | 32M |
| Twisted Pair | 10BASE-T: Cat3,4,5 UTP (≤100 meter) ;100BASE-TX: Cat5 or later UTP (≤100 |
| Transmission | meter) ;1000BASE-T: Cat6 or later UTP (≤100 meter) |
| Optical cable | Multi-mode:850nm 0~300M(10G),850nm 0~550M (1.25G) Single-mode:1310nm 0~40KM,1550nm 0~120KM. |
| Total PWR / Input | 60W/(AC100-240V) |
| Voltage | |
| Power Consumption | Standby:<20W; full load:<40W |
| LED | Power indicator: PWR (yellow), System indicator: SYS (yellow), Network indicator: |



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| | |
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| | Link/Act (yellow), fiber port: L/A(green) |
| Reset switch | Support one key to restore factory settings |
| Power Supply | Built-in power supply; AC:100 ~240V 50-60Hz |
| Operation TEMP / Humidity | -20~+55°C;5%~90% RH Non condensing |
| Storage TEMP / Humidity | -40~+80°C;5%~95% RH Non condensing |
| Dimension(L*W*H) | 440*290*44.5mm |
| Net /Gross Weight | <4kg /<5kg |
| Installation Method | Desktop,19-inch 1U cabinet installation |
| Anti-surge / Protection Level | Anti-surge: 4KV 8/20us; Protection Level: IP30 |
| Certification | CCC; CE mark, commercial;CE/LVD EN60950; FCC Part 15 Class B; RoHS; |
| Warranty | 3 years, lifetime maintenance |
| Interface | IEEE802.3x flow control (full duplex) Broadcast storm suppression for port rate support speed limit for incoming and offline message traffic, with a minimum particle size of 64Kbps. Temperature protection setting Energy saving configuration of port IEEE Ethernet |
| Layer3 Function | L2+ network management function layer3 software is non line speed forwarding, supporting different network segments communication between different VLAN Static routing / default routing, 128 maximum entries |



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| | |
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| | ARP protocol, 1024 maximum entries |
| VLAN | Support port based VLAN (4K), IEEE802.1q Support protocol based VLAN Support Access, Trunk, Hybrid three types of port configuration Support QinQ configuration |
| Port Aggregation | Support LACP Support static polymerization Support the largest 8 aggregation groups, each aggregation group supports 8 ports. |
| Spanning Tree | STP(IEEE802.1d) RSTP(IEEE802.1w) MSTP(IEEE802.1s) |
| Industrial Ring | Support G.8032 (ERPS), support 255 loops at most, and supports 1024 devices per ring. |
| Network Protocol | The self-healing time of the ring network is less than 20ms |
| Multicast | Support IGMP Snooping V1/V2 and support 1024 multicast groups at most. Support the user's quick departure mechanism Support MLD Snooping V1/V2 Support multicast VLAN |
| Image | Bi-directional traffic mirroring supporting the basic port |
| QoS | Diff-Serv QoS Each port supports 8 output queues Support 802.1p/DSCP priority mapping Support queue scheduling mechanism (SP, WRR, SP+WRR) priority tag Mark/Remark stream based packet filtering Support for stream-based redirection Support flow-based speed limit |
| ACL | Support L2 to L4 packet filtering function, can match the first 80 bytes of the message, provide based on the source MAC address, destination MAC address, source IP address, destination IP address, IP protocol type, TCP/UDP port, TCP/UDP port range, VLAN and other definition ACL. Support ACL based on port and VLAN |



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| <p>Safety Characteristics</p> | <p>Support user grading management and password protection</p> <p>Support IEEE802.1X authentication / centralized MAC address authentication Support AAA&RADIUS authentication</p> <p>Support the number of MAC address learning restrictions Support MAC address black hole</p> <p>Support SSH 2 to provide secure passwords for user login. Support SSL to ensure data transmission security</p> <p>Support port isolation</p> <p>Support the speed limit function of ARP message Support IP source address protection</p> <p>Support ARP intrusion detection function</p> |
| | <p>Support against DoS attacks</p> <p>Support port broadcast message suppression Support host data backup mechanism Binding capabilities of IP+MAC+VLAN+ ports</p> |
| <p>DHCP</p> | <p>DHCP Client</p> <p>DHCP Snooping</p> |
| <p>System Requirements</p> | <p>Web browser: Mozilla Firefox 2.5 or higher, Google browser chrome V42 or higher, Microsoft Internet Explorer10 or later;</p> <p>5 types and above Ethernet cable;</p> <p>TCP/ IP, network adapter and network operating system (such as Microsoft Windows, Linux or Mac OS X) are installed on computers in the network.</p> |



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