

# FS S5850 Series Switches Data Sheet

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## Product overview

FS S5850 series switches are high performance Ethernet switches to meet next generation Metro, Data Center and Enterprise network requirements, which support L2/L3/IPv6/Data Center/Metro features. The S5850 Series Switches come with complete system software with comprehensive protocols and applications to facilitate rapid service deployment and management for both traditional L2/L3 networks and Data Center networks.

S5850-48T4Q features an advanced hardware design combined with 48x 100/1000M/5G/10GBASE-T ports and 4x 40Gb ports. This 10GBASE-T switch offers backwards compatibility with installed Ethernet cabling and standard RJ-45 connectors. The switch comes with the complete system software with comprehensive protocols and applications to facilitate the rapid service deployment and management for traditional Layer 2 and Layer 3 networks.Offering high-performance, high port density, and low latency, S5850-48T4Q is well-suited to both the core and aggregation layers, enabling to meet data centers, carriers and enterprise network requirements.

S5850-48S6Q is a high-performance Layer 3 Leaf switch with 48x 10Gb SFP+ access ports and 6x 40Gb QSFP+ ports in a compact 1U form factor. The switch delivers rich layer 2 and layer 3 features with wire speed performance up to a maximum performance of 1.44 Tbps. Supporting advanced features, including MLAG, VXLAN, IPv4/IPv6, SFLOW, SNMP etc., this switch meets the next generation Metro and enterprise network requirements, and it is also ideal for traditional or fully virtualized data center.

S5850-48S6Q-R is a high-performance Layer 3 Leaf switch with 48x 10Gb SFP+ access ports and 6x 40Gb QSFP+ ports in a compact 1U form factor. The switch delivers rich layer 2 and layer 3 features with wire speed performance up to a maximum performance of 1.44 Tbps.
This switch supports rich features, including redundant hot-swappable power supplies and fans, MLAG, VXLAN, IPv4/IPv6, sFlow, SNMP, etc. to meet the requirements of next-generation Enterprise, Data Center, Metro and HCI (Hyper-Converged Infrastructure) networks.

The S5850-48B8C 48-port 10Gb Ethernet layer 3 switch features 48x 25G downlinks and 8x 100G QSFP28 uplinks. The switch can deliver 4 Tbps switching capacity and 2976 Mpps forwarding rate. The S5850-48S8C 48-port 10Gb Ethernet layer 3 switch features 48x 10G downlinks and 8x 100G QSFP28 uplinks. The switch can deliver 2.56 Tbps switching capacity and 1905 Mpps forwarding rate. S5850-48B8C and S5850-48S8C are packed with redundant hot-swappable power supplies, hot-swappable smart fans and hardware-level dual-flash chip for superior processing performance and network reliability. These managed switch are ideal for enterprise network private cloud TOR, date center TOR, operator PE to meet the needs of high-speed, safe, intelligent enterprise networks.

The S5850-24S2Q layer 3 switch features 24x 1Gb/10Gb and 2x 40Gb QSFP+ ports, providing the flexibility to support mixed 1Gb, 10Gb and 40Gb environments. This managed enterprise switch delivers 640 Gbps switching capacity with rich layer 2 and layer 3 features. Delivering wire-speed performance on every port, full device redundancy, support L3 routing protocols such as RIP, OSPF, BGP, a comprehensive security and QoS feature set, the S5850-24S2Q is ideal for large-scale campus network aggregations, small and medium-sized network cores.

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S5850-24S2C is a high-performance Layer 3 Ethernet switch with 24x 1/10Gb SFP+ and 2x 40/100Gb QSFP28 ports in a compact 1U form factor. The switch comes with complete system software, comprehensive protocols and applications to facilitate the rapid service deployment and management for traditional Layer 2 and Layer 3 networks. It is ideally designed for demanding workloads. Supporting advanced features, including MLAG, EVPN, SR-MPLS, VXLAN, IPv4/IPv6, sFLOW, SNMP etc., this switch meets the next generation Metro and enterprise network requirements, and it is also ideal for traditional or fully virtualized data center.

S5850-24T16B is a high-performance Layer 3 Ethernet routing switch with 24x 10/100/1000BASE-T RJ45 and 16x 10Gb SFP+/25Gb SFP28 ports in a compact 1U form factor. Based on FSOS system software, it supports full L3 routing protocol (OSPF, BGP, and ISIS), multiple IPv4/IPv6 tunnel technique, data center DCB features (PFC/ECN/ETS) and MLAG etc. With its diverse set of deployment options, including fabric, Layer 3, as well as spine and leaf, the switch is ideal for next generation enterprise, data center, Metro and HCI (Hyper-Converged Infrastructure) networks.

S5850-24XMG features 24x 10/100/1000M/2.5G/5G/10GBASE-T ports and 2x 100Gb ports. This 10GBASE-T switch offers backwards compatibility with installed Ethernet cabling and standard RJ-45 connectors. The switch comes with the complete system software with comprehensive protocols and applications to facilitate the rapid service deployment and management for traditional Layer 2 and Layer 3 networks. Offering high-performance, high port density, and low latency, S5850-24XMG is well-suited to both the core and aggregation layers, enabling to meet requirements of next generation enterprise, Wi-Fi 6 Access, Metro and HCI (Hyper Converged Infrastructure) networks.

S5850-24XMG-U is equipped with 24x 10/100/1000M/2.5G/5G/10GBASE-T ports and 2x 100Gb ports. 24x RJ45 ports support both IEEE 802.3af/at/bt (up to 90W per port) for powering attached IP phones, wireless access points, or other standards-compliant PoE, PoE+, and PoE++ end network devices. In addition, the 2x 100G QSFP28 ports, can provide high-speed uplink and server/storage/high-performance workstation connectivity.Offering high performance, high port density, and low latency, S5850-24XMG-U is well-suited to both the core and aggregation layers, enabling it to meet the requirements of the next-generation enterprise, Wi-Fi 6 Access, Metro, and HCI (Hyper-Converged Infrastructure) networks.

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## Product highlights

- Support MLAG (Multi-Chassis Link Aggregation) for Uninterrupted Services
- 1+1 Hot-swappable Power Supplies and 4 Smart Fans
- Network Monitoring through Sampled Flow (sFlow)
- Support CLI / WEB / SNMP / SSH / OVSDB / RPC-API for Flexible Operation
- Support SSH, ACL, AAA, 802.1X, RADIUS, TACACS+, etc. for Security
- Support IPv4/IPv6 Dual-stack for Future Network Expansion
- Support RIPng/OSPFv3/BGP4+/DHCPv6/IS-IS for Efficient Calculation
- Support QoS, BGP, ACL, VRRP, DHCP, etc.
- Support OSPF/OSPFv3, BGP4/BGP4+, ISIS, BFD
- Support VXLAN, NVGRE for Knowledge Sharing and Community-based Problem Solving
- Support G.8031, G.8032, Ethernet OAM, MPLS, VPLS, VPWS, L3VPN (Except for S5850-24S2Q / S5850-24XMG)
- Support Data Center Features (PFC, ECN etc.) to Build a Lossless and Low-latency Network (Only for S5850-48T4Q / S5850-48T4Q-PE / S5850-48S6Q / S5850-48S6Q-R / S5850-24T16B)

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# Platform details

## Switch models and configurations

Figures 1 through 8 show the FS S5850 series switches.

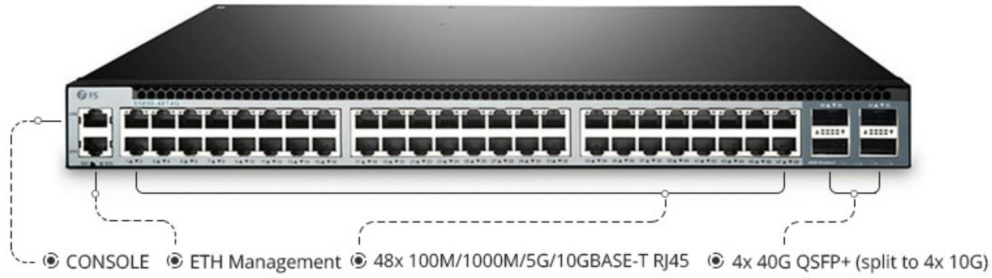



**Figure 1.**
S5850-48T4Q, 48-Port Ethernet L3 Switch, 48 x 10GBASE-T, with 4 x 40Gb QSFP+, Support MLAG

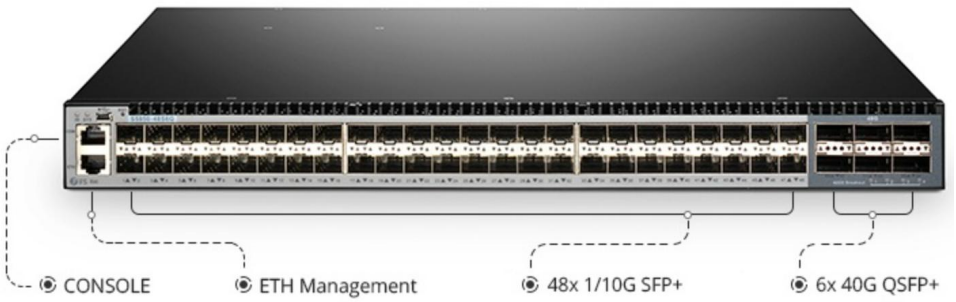



**Figure 2.**
S5850-48S6Q, 48-Port Ethernet L3 Switch, 48 x 10Gb SFP+, with 6 x 40Gb QSFP+, Support MLAG

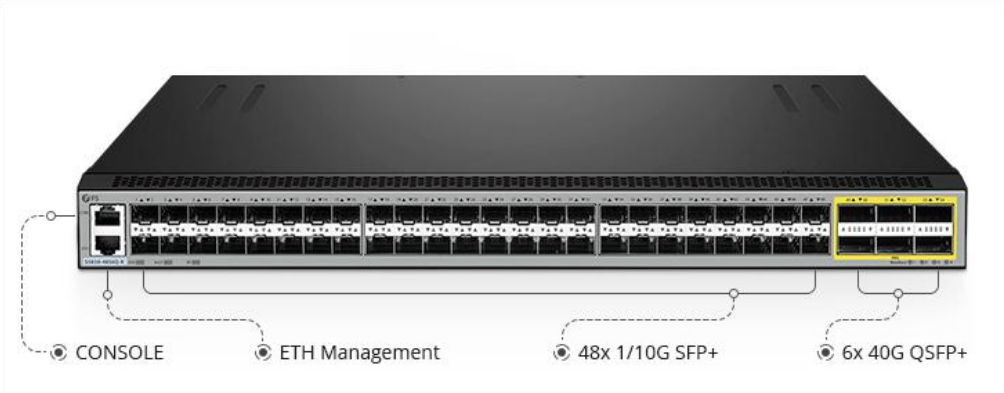



**Figure 3.**
S5850-48S6Q-R, 48-Port Ethernet L3 Switch, 48 x 10Gb SFP+, with 6 x 40Gb QSFP+, Support MLAG

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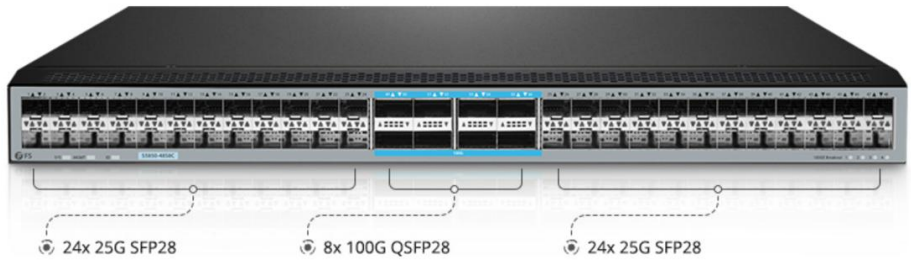



**Figure 4.**

S5850-48B8C, 48-Port Ethernet L3 Switch, 48 x 25Gb SFP28, with 8 x 100Gb QSFP28, Support MLAG

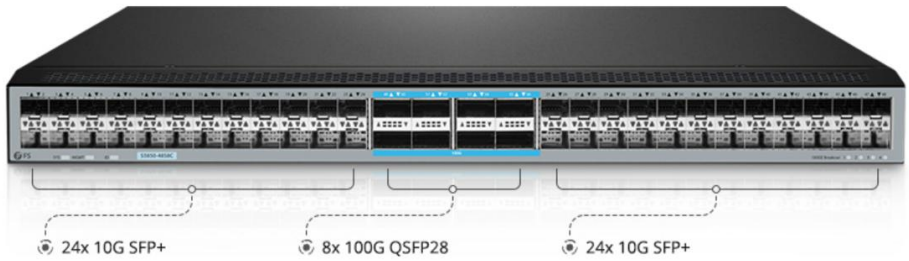



**Figure 5.**

S5850-48S8C, 48-Port Ethernet L3 Switch, 48 x 10Gb SFP+, with 8 x 100Gb QSFP28, Support MLAG

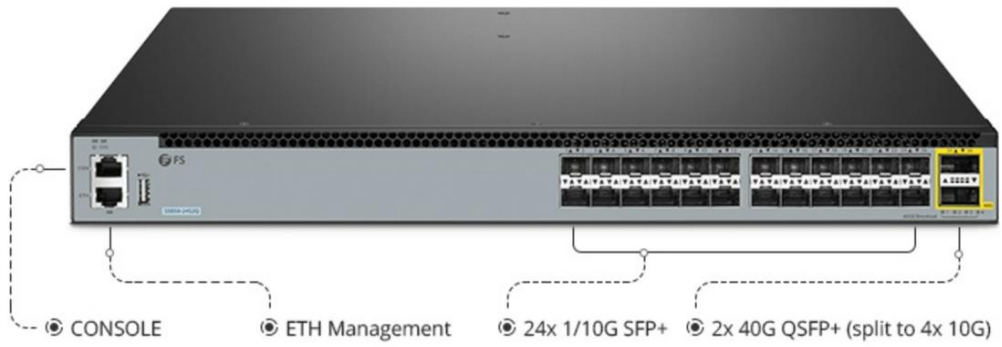



**Figure 6.**

S5850-24S2Q, 24-Port Ethernet L3 Switch, 24 x 10Gb SFP+, with 2 x 40Gb QSFP+, Support MLAG

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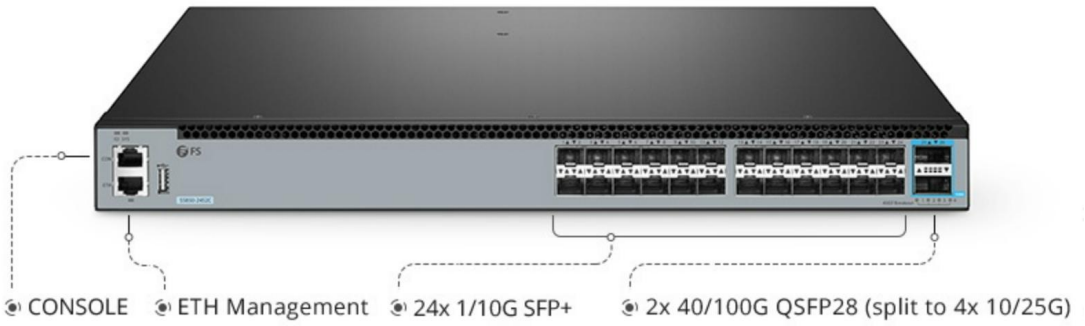



**Figure 7.**

S5850-24S2C, 24-Port Ethernet L3 Switch, 24x 10Gb SFP+, with 2x 100Gb QSFP28, Support MLAG

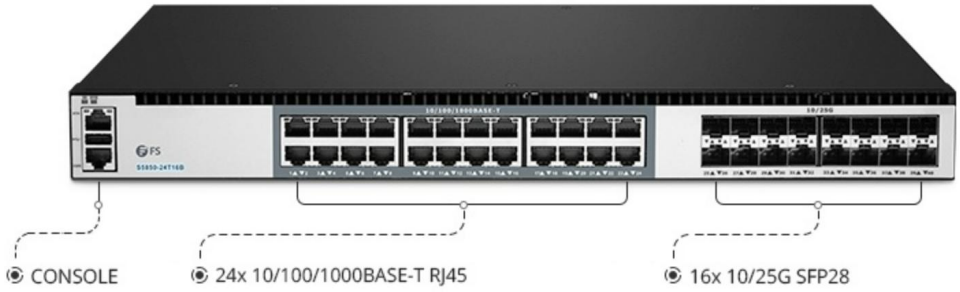



**Figure 8.**

S5850-24T16B, 16-Port Ethernet L3 Switch, 16 x 25Gb SFP28, with 24 x Gigabit RJ45, Hyper-Converged Infrastructure

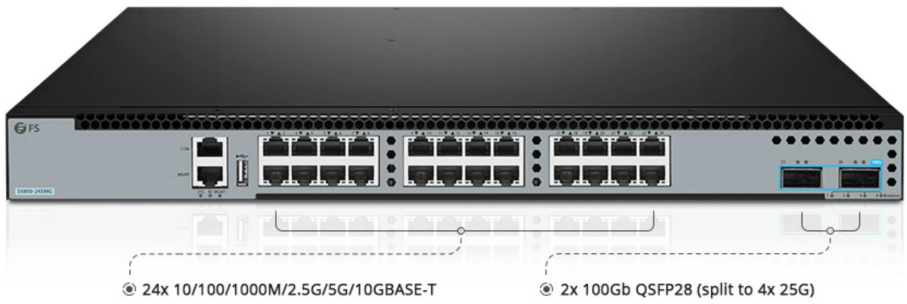



**Figure 9.**

S5850-24XMG, 24-Port Ethernet L3 Switch, 24 x 10GBASE-T/Multi-Gigabit, with 2 x 100Gb QSFP28, Support MLAG

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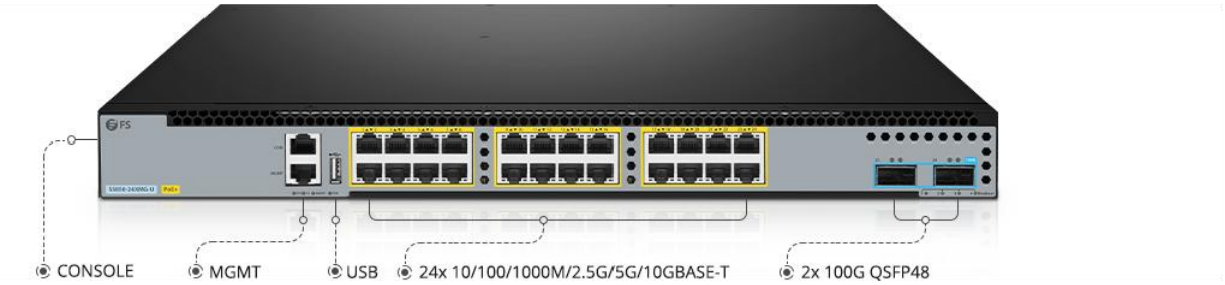



**Figure 10.**

S5850-24XMG-U, 24-Port Ethernet L3 PoE++ Switch, 24 x PoE++ Ports @1000W, with 2 x 100Gb QSFP28, Support MLAG

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## Switch configurations and port density

Table 1 through 2 show the FS S5850 series configurations and port density.

**Table 1. Switch configuration and port density with 48 port**

| FS P/N | S5850-48T4Q | S5850-48S6Q | S5850-48S6Q-R | S5850-48B8C | S5850-48S8C |
|---|---|---|---|---|---|
| **Description** | 48-Port Ethernet L3 Switch, 48 x 10GBASE-T, with 4 x 40Gb QSFP+ | 48-Port Ethernet L3 Switch, 48 x 10Gb SFP+, with 6 x 40Gb QSFP+ | 48-Port Ethernet L3 Switch, 48 x 10Gb SFP+, with 6 x 40Gb QSFP+ | 48-Port Ethernet L3 Switch, 48 x 25Gb SFP28, with 8 x 100Gb QSFP28 | 48-Port Ethernet L3 Switch, 48 x 10Gb SFP+, with 8 x 100Gb QSFP28 |
| **Port** | | | | | |
| **1G port density** | 48 | 48 | - | - | 48 |
| **10G port density** | 48 | 48 | 48 | 48 | 48 |
| **25G port density** | - | - | - | 48 | - |
| **40G port density** | 4 | 6 | 6 | - | - |
| **100G port density** | - | - | - | 8 | 8 |
| **10G port density with breakout cable** | 16 | - | 24 | 32 | 32 |
| **25G port density with breakout cable** | - | - | - | 32 | 32 |
| **40G port density with breakout cable** | - | - | - | 8 | 8 |
| **Management ports** | 1 | 1 | 1 | 1 | 1 |
| **Console port** | 1 | 1 | 1 | 1 | 1 |
| **USB port** | - | 1 | - | 1 | 1 |
| **Memory and processor** | | | | | |
| **Switch chip** | CTC8096 | CTC8096 | CTC8180 | CTC8180 | CTC8180 |
| **CPU** | Freescale PowerPC P1010 533MHz | Freescale PowerPC P1010 | Dual core/ARM A53 | Dual core/ARM A53 | Dual core/ARM A53 |
| **DRAM** | 1GB | 1GB | - | 2GB | 2GB |
| **SDRAM** | 1GB | 1GB | 2GB | 2GB | 2GB |

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| FS P/N | S5850-48T4Q | S5850-48S6Q | S5850-48S6Q-R | S5850-48B8C | S5850-48S8C |
|---|---|---|---|---|---|
| Flash memory | 2GB | 2GB | 8GB | 8GB | 8GB |
| Latency | 0.67μs | 0.6μs | 0.7μs | 0.7μs | 0.7μs |
| Packet buffer | 9MB | 9MB | 36MB | 36MB | 36MB |

## Table 2. Switch configuration and port density with 24 port

| FS P/N | S5850-24S2Q | S5850-24S2C | S5850-24T16B | S5850-24XMG | S5850-24XMG-U |
|---|---|---|---|---|---|
| Description | 24-Port Ethernet L3 Switch, 24 x 10Gb SFP+, with 2 x 40Gb QSFP+ | 24-Port Ethernet L3 Switch, 24x 10Gb SFP+, with 2x 100Gb QSFP28 | 16-Port Ethernet L3 Switch, 16 x 25Gb SFP28, with 24 x Gigabit RJ45 | 24-Port Ethernet L3 Switch, 24 x 10GBASE-T/Multi-Gigabit, with 2 x 100Gb QSFP28 | S5850-24XMG-U, 24-Port Ethernet L3 PoE++ Switch, 24 x PoE++ Ports @1000W, with 2 x 100Gb QSFP28, Support MLAG |
| **Port** | | | | | |
| 1G port density | 24 | 24 | 24 | 24 | 24 |
| 10G port density | 24 | 24 | 16 | 24 | 24 |
| 25G port density | - | - | 16 | - | - |
| 40G port density | 2 | 2 | - | - | - |
| 100G port density | - | 2 | - | 2 | 2 |
| 10G port density with breakout cable | 8 | 8 | - | 8 | 2 |
| 25G port density with breakout cable | - | 8 | - | 8 | - |
| 40G port density with breakout cable | 2 | 2 | - | 2 | - |
| Management ports | 1 | 1 | 1 | 1 | 1 |
| Console port | 1 | 1 | 1 | 1 | 1 |
| USB port | 1 | 1 | 1 | 1 | 1 |

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| FS P/N | S5850-24S2Q | S5850-24S2C | S5850-24T16B | S5850-24XMG | S5850-24XMG-U |
|---|---|---|---|---|---|
| **Memory and processor** | | | | | |
| **Switch chip** | CTC7132 | CTC7132 | CTC7148 | CTC7132 | CTC7132 |
| **CPU** | SOC (Dual core/ARM A53) | SOC(Dual core/ARM A53) | NXP LS1023A (A53 CPU/Dual core) | ARM A53 CPU | ARM A53 CPU |
| **DRAM** | 1GB | 2GB | 1GB | 2GB | 2GB |
| **SDRAM** | 1GB | 2GB | 1GB | 2GB | 2GB |
| **Flash memory** | 8GB (eMMC) | 8GB | 4GB (eMMC) | 8GB (eMMC) | 8GB EMMC(OS) 4MB SPI Flash(Boot) |
| **Latency** | 0.66μs | 0.66μs | 0.57μs | 0.66μs | 0.66μs |
| **Packet buffer** | 9MB | 9MB | 4MB | 4.5MB | 4.5MB |

**Note:**

RJ45 ports can be used as 100M/1/2.5/5/10G ports for Ethernet connection, does not support 1G-T copper transceivers. SFP+ ports can be used for 1/10G connection. SFP28 can be used for 10/25G connection. QSFP+ can be used for 40G or 4x 10G connection. QSFP28 can be used for 40G/100G or 4x10G/4x25G connection.

## Power supplies and fans

The FS S5850 Series switches ship with the dual 1+1 redundant power supply as default.

Table 3 through 4 provide more details on the FS S5850 series power supplies and fan specifications.

**Table 3. Power supply and fan specifications with 48 port**

| FS P/N | S5850-48T4Q | S5850-48S6Q | S5850-48S6Q-R | S5850-48B8C | S5850-48S8C |
|---|---|---|---|---|---|
| **Power supply** | Dual 1+1 redundant power supplies (AC) | Dual 1+1 redundant power supplies (AC) | Dual 1+1 redundant power supplies (AC) | Dual 1+1 redundant power supplies (AC) | Dual 1+1 redundant power supplies (AC) ; 1+1 DC power supplies for S5850-48S8C-DC |
| **Fan number** | 2x Hot-swappable Fan Modules (2 Fans Per Module) | 4x Hot-swappable Fans (3+1 Redundancy) | 4x Hot-swappable Fans (3+1 Redundancy) | 4x Hot-swappable Fans (2+2 Redundancy) | 4x Hot-swappable Fans (2+2 Redundancy) |
| **Airflow** | Front-to-Back; Back-to-Front (S5850-48T4Q-PE) | Front-to-Back | Front-to-Back; Back-to-Front (S5850-48S6Q-R-PE) | Front-to-Back; Back-to-Front (S5850-48B8C-PE) | Front-to-Back ; Back-to-Front (S5850-48S8C-PE) |
| **Acoustic noise** | <77dB | 59.1dB | 73.3dB | 73.3dB | 73.3dB |

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| FS P/N | S5850-48T4Q | S5850-48S6Q | S5850-48S6Q-R | S5850-48B8C | S5850-48S8C |
|---|---|---|---|---|---|
| **Maximum fan speed** | 15000rpm | 15000rpm | 19500RPM | 19500rpm | 19500rpm |
| **Max. power consumption** | 250W | 190W | 145W | 160W | 160W |
| **Power max rating** | 225W | 150W | 125W | 125W | 125W |
| **Input-voltage range and frequency** | • Rated voltage range: 100-240VAC; 50-60Hz<br>• Maximum voltage range:<br>-AC input: 90-264VAC; 47-63Hz;<br>-High-Voltage DC input: 180 V DC to 300 V DC<br>• DC Input (S5850-48S8C-DC): -36V DC~-72V DC | | | | |
| **Power supply efficiency** | 94% (230Vac 50% Load) | 92% (220Vac 50% load) | AC Input<br>≥95% (50% load)<br>HVDC Input<br>≥95% (50% load)<br>DC Input<br>≥85% (50% load) | 95% (220Vac 50% load) | 95% (220Vac 50% load);<br>85% (220Vac 50% load) for S5850-48S8C-DC |
| **Input current** | 7.5A (MAX) at 100Vac | 6A (MAX) at 100Vac – 127Vac | AC Input<br>7A(MAX) at 100Vac – 127Vac<br>HVDC Input<br>3.5A(MAX) at 240Vdc<br>DC Input<br>20A(MAX) at -36VDC | 7A (MAX) at 100Vac – 127Vac | 7A (MAX) at 100Vac – 127Vac;<br>20A (MAX) at -36VDC (S5850-48S8C-DC) |
| **Output ratings** | 550W | Main output: +12V<br>Standby: +5V | Main output: +12V<br>Standby: +12V | Main output: +12V<br>Standby: +12V | Main output: +12V<br>Standby: +12V |
| **Output holdup time** | 11ms | Main output: >12ms<br>Standby output: 70ms | AC and HVDC Input<br>Main output: >11ms<br>Standby output：70ms<br>DC Input<br>Main output：>4ms<br>Standby output：70ms | Main output: >11ms<br>Standby output: 70ms | AC and HVDC Input<br>Main output: >11ms<br>Standby output: 70ms<br>DC Input(S5850-48S8C-DC)<br>Main output: >4ms<br>Standby output: 70ms |
| **Power-supply input receptacles** | C13 | C13 | C13 | C13 | C13 |
| **Power cord rating** | 10A | 10A | 10A | 10A | 10A |

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## Table 4. Power supply and fan specifications with 24 port

| FS P/N | S5850-24S2Q | S5850-24S2C | S5850-24T16B | S5850-24XMG | S5850-24XMG-U |
|---|---|---|---|---|---|
| **Power supply** | Dual 1+1 redundant power supplies (AC) ; 1+1 DC power supplies for S5850-24S2Q-DC | Dual 1+1 redundant power supplies (AC) ; 1+1 DC power supplies for S5850-24S2C-DC | Dual 1+1 redundant power supplies (AC) | Dual 1+1 redundant power supplies (AC) | Dual 1+1 redundant power supplies (AC) |
| **Fan number** | 3x Hot-swappable Fans (2+1 Redundancy) | 3x Hot-swappable Fans (2+1 Redundancy) | 2x Hot-swappable Fan Modules (2 Fans Per Module) | 2x Hot-swappable Fan Modules (2 Fans Per Module) | 4 (2+2 Redundancy) Hot-swappable |
| **Airflow** | Front-to-Back; Back-to-Front (S5850-24S2Q-PE) | Front-to-Back; Back-to-Front (S5850-24S2C-PE) | Front-to-Back | Front-to-Back | Front-to-Back |
| **Acoustic noise** | 38dB | 38dB | 46dB | <64dB | <66dB |
| **Maximum fan speed** | 10000rpm | 10000rpm | 9000rpm | 9000rpm | 9000rpm |
| **Max. power consumption** | 59W | 59W | 70W | 110W | 110W |
| **Power max rating** | 44W | 44W | 55W | 100W | 100W |
| **Input-voltage range and frequency** | • Rated voltage range: 100-240VAC; 50-60Hz<br>• Maximum voltage range:<br>-AC input: 90-264VAC; 47-63Hz;<br>-High-Voltage DC input: 190 V DC to 290 V DC<br>• DC Input (S5850-24S2Q-DC & S5850-24S2C-DC): -36V DC~-72V DC | | | | |
| **Power supply efficiency** | 84% (220Vac 50% load) | 84% (220Vac 50% load) | 89% (220Vac 50% load) | 92% (230Vac 50% load) | 94% (230Vac 50%load) |
| **Input current** | 2A (MAX) at 100Vac; 6A (MAX) at -36VDC (S5850-24S2Q-DC) | 2A (MAX) at 100Vac; 6A (MAX) at -36VDC (S5850-24S2C-DC) | 3A (MAX) at 90-136Vac | 5.5A (MAX) at 90Vac | 8.5A (MAX) at 90Vac |
| **Output ratings** | Main output: +12V Standby: +12V | Main output: +12V Standby: +12V | Main output: +12V Standby: +12V | 350W | 600W |
| **Output holdup time** | AC and HVDC Input<br>Main output: >12ms<br>Standby output: 20ms<br>DC Input(S5850-24S2Q-DC)<br>Main output: >3ms<br>Standby output: 20ms | AC and HVDC Input<br>Main output: >12ms<br>Standby output: 20ms<br>DC Input(S5850-24S2C-DC)<br>Main output: >3ms<br>Standby output: 20ms | 20ms | 11ms | 16ms |

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| FS P/N | S5850-24S2Q | S5850-24S2C | S5850-24T16B | S5850-24XMG | S5850-24XMG-U |
|---|---|---|---|---|---|
| **Power-supply input receptacles** | C13 | C13 | C13 | C13 | C13 |
| **Power cord rating** | 10A | 10A | 10A | 10A | 10A |
| PoE standard | - | - | - | - | IEEE 802.3af/at/bt |
| PoE power budget | - | - | - | - | 1000W |

## Switch performance

Table 5 througth 6 shows performance specifications for the FS S5850 series switches.

**Table 5. Performance specifications with 48 port**

| FS P/N | S5850-48T4Q | S5850-48S6Q | S5850-48S6Q-R | S5850-48B8C | S5850-48S8C |
|---|---|---|---|---|---|
| **Switching capacity** | 1.28 Tbps | 1.44 Tbps | 1.44Tbps | 4Tbps | 2.56Tbps |
| **Forwarding rate** | 952.3 Mpps | 1071.4 Mpps | 1071.4 Mpps | 2976 Mpps | 1905 Mpps |
| **Total number of MAC addresses** | 65K | 65K | 120K | 120K | 120K |
| **Total number of IPv4 routes (indirect routes)** | 32768 | 8192 | 60K | 56K | 56K |
| **Total number of IPv4 host routes (direct routes and ARP)** | 20480 | 4096 | 60k | 12288 | 12288 |
| **Total number of IPv6 routes (indirect routes)** | 1536 | 1536 (IPv6 profile) | 4096 | 4096 | 4096 |
| **Total number of IPv6 host routes (direct routes and NDP)** | 4096 | 4096 (IPv6 profile) | 4096 | 2048 | 2048 |
| **Total number of IPv4 multicast routes** | 1024 | 1536 | 2048 | 1024 | 1024 |
| **Total number of IPv6 multicast routes** | 512 | 1536 (IPv6 profile) | 256 | 512 | 512 |

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| FS P/N | S5850-48T4Q | S5850-48S6Q | S5850-48S6Q-R | S5850-48B8C | S5850-48S8C |
|---|---|---|---|---|---|
| **QoS ACL scale** | 1959 | 1959 | - | 6126 | 6126 |
| **Security ACL scale** | 2103 | IPv4: 1927 (ingress port), 256 (ingress VLAN)<br>176 (egress port), 32 (egress VLAN)<br>IPv6: 1903 (ingress port), 256 (ingress VLAN)<br>152 (egress port), 32 (egress VLAN) | IPv4: 5949 (ingress), 3949 (egress)<br>IPv6: 5949 (ingress), 3949 (egress) | IPv4: 5949 (ingress), 3949 (egress)<br>IPv6: 5949 (ingress), 3949 (egress) | IPv4: 5949 (ingress), 3949 (egress)<br>IPv6: 5949 (ingress), 3949 (egress) |
| **VLAN IDs** | 4096 | 4094 | 4094 | 4094 | 4094 |
| **STP virtual ports (port* VLANs) for MST** | 52 | 64 | 64 | 64 | 64 |
| **Total switched virtual interfaces (SVIs)** | 128 | 256 | 256 | 256 | 256 |
| **Jumbo frame** | 9.6KB | 9.6KB | 9.6KB | 9.6KB | 9.6KB |

## Switch performance

### Table 6. Performance specifications with 24 port

| FS P/N | S5850-24S2Q | S5850-24S2C | S5850-24T16B | S5850-24XMG | S5850-24XMG-U |
|---|---|---|---|---|---|
| **Switching capacity** | 640 Gbps | 880 Gbps | 848 Gbps | 848 Gbps | 880Gbps |
| **Forwarding rate** | 480 Mpps | 540 Mpps | 630.9 Mpps | 654 Mpps | 654 Mpps |
| **Total number of MAC addresses** | 96K | 96K | 49K | 98K | 98K |
| **Total number of IPv4 routes (indirect routes)** | 57344 | 57344 | 24576 | 57344 | 57344 |
| **Total number of IPv4 host routes (direct routes and ARP)** | 12288 | 12288 | 3072 | 12288 | 12288 |
| **Total number of IPv6 routes (indirect routes)** | 4096 | 4096 | 1536(IPv6 profile) | 4096 | 4096 |

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| FS P/N | S5850-24S2Q | S5850-24S2C | S5850-24T16B | S5850-24XMG | S5850-24XMG-U |
|---|---|---|---|---|---|
| **Total number of IPv6 host routes (direct routes and NDP)** | 2048 | 2048 | 2048(IPv6 profile) | 2048 | 2048 |
| **Total number of IPv4 multicast routes** | 2048 | 2048 | 1536 | 1024 | 1024 |
| **Total number of IPv6 multicast routes** | 256 | 256 | 512(IPv6 profile) | 512 | 512 |
| **QoS ACL scale** | 1532 | 1532 | 1276 | 1532 | 1532 |
| **Security ACL scale** | IPv4: 1488 (ingress), 464 (egress)<br>IPv6: 744 (ingress), 232 (egress) | IPv4: 1488 (ingress), 464 (egress)<br>IPv6: 744 (ingress), 232 (egress) | IPv4: 1208 (ingress), 464(egress)<br>IPv6: 604 (ingress), 203(egress) | 1952 | 1952 |
| **VLAN IDs** | 4094 | 4094 | 4094 | 4094 | 4094 |
| **STP virtual ports (port* VLANs) for MST** | 64 | 64 | 64 | 52 | 52 |
| **Total switched virtual interfaces (SVIs)** | 256 | 256 | 256 | 256 | 256 |
| **Jumbo frame** | 9.6KB | 9.6KB | 9.6KB | 9.6KB | 9.6KB |

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# Platform benefits

Table 7 lists the software spotlights for the FS S5850 series switches.

**Table 7. Software spotlights**

| Functionality | Description |
|---|---|
| **Multi-Chassis Link Aggregation (MLAG)** | All 1G/10G/40G ports support MLAG<br>Connects to other switches and servers by LAG or LACP without other proprietary protocols<br>The software supports up to 63 MLAG members<br>Support mixed configuration MLAG with S3950, S5800, S5850 and S8050 series switches |
| **Metro Advanced License** | Support advanced features of MPLS, LDP, MPLS-L2VPN, MPLS-L3VPN, VxLAN-BGP-EVPN, IPFIX<br>LIC-FIX-MA license is required to enable the advanced features |
| **Multicast Efficiency** | Support the IPv4 and IPv6 multicast functions<br>Support IGMP v1/v2/v3, IGMP Snooping v1/v2/v3, MLD, PIM, PIM-SM, PIM-SSM |
| **Data Center Features** | Support NVGRE, VXLAN, GENEVE<br>Support Priority Flow Control (PFC)<br>Support Enhanced Transmission Selection (ETS)<br>Support Quantized Congestion Notification (QCN) |
| **High Reliability** | Support 64-way ECMP routing for load balancing and redundancy<br>Support 240-way ECMP routing for load balancing and redundancy (Only for S5850-48B8C / S5850-48S8C)<br>Support LACP, VRRP, VARP, Smart Link, BFD, ERPS, G.8031, G.8032, Load-Balancing, etc<br>Support the Spanning Tree Protocols (IEEE802.1d STP, IEEE802.1w RSTP, standard 802.1s MSTP)<br>Support STP Protocol Protection (BPDU Guard, Root Guard, Loop Guard, Anti TC-BPDU attack)<br>Support modular power redundancy<br>Support modular fan redundancy |
| **Sound Security Protection Policies** | Support AES-256 and AES-128 MACsec on all ports at all speeds (Only for S5850-24S2Q / S5850-24S2C)<br>Support prevent DDOS attack (Only for S5850-24S2Q)<br>Support IPv4/IPv6 ACL and MAC whitelisting<br>Support ARP inspection<br>Support IP source guard<br>Support IEEE802.1X RADIUS authentication, TACAS+<br>Support DHCP Server Relay/Snooping<br>Support Control Plane Protect (CoPP) black & white list and rate limit features |
| **QoS** | Support 13 hardware queues per-port (8 unicast queues, 4 multicast queues and 1 monitor queue)<br>Support 10 hardware queues per-port (8 unicast queues, 1 multicast queues and 1 monitor queue) (Only for S5850-48B8C / S5850-48S8C)<br>Support Weighted Random Early Detection (WRED)<br>Support Tail Drop (TD)<br>Support Strict Priority (SP) scheduling<br>Support Weighted Deficit Round Robin (WDRR) scheduling<br>Support SP + WDRR mixed scheduling<br>Support traffic classification based on COS/DSCP (simple classification) |
| **Easy Network Maintenance** | Support CLI-based, using console ports<br>Support WEB UI, Telnet, SSH, using 10/100/1000Mbps management port or service ports<br>Support SNMP (Managed by Zabbix) v1, v2, and v3<br>Support RPC-API for Software Defined Network (SDN) |

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| Functionality | Description |
| --- | --- |
| **Triple-play Service Support (Only for S5850-48B8C / S5850-48S8C)** | Offer high bandwidth for Triple-Play services such as IPTV, video monitoring<br>The built-in QoS capabilities and flexible queuing technologies guarantee high quality of services<br>Support rich multicast protocol set (IGMP snooping, IGMP v1/v2/v3, PIM-SM)<br>Support up to 2K multicast groups and 4K logical replications per group<br>Support IPTV service and multicast latency control |
| **IPv4/IPv6 Dual-Stack (Only for S5850-24S2Q / S5850-24S2C)** | Support line-rate IPv4/IPv6 dual-stack<br>Support RIP, OSPFv2, BGP, static routing, RIPng, OSPFv3 and BGP4+ |

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## Software requirements

The FS S5850 Series Switches run on FS OS Software version.

Table 8 lists the latest software requirements for the switch models.

**Table 8. Latest software requirements**

| FS P/N | Description | Latest software requirements |
|---|---|---|
| **S5850-48T4Q** | S5850-48T4Q, 48-Port Ethernet L3 Switch, 48 x 10GBASE-T, with 4 x 40Gb QSFP+, Support MLAG | FSOS V7.4.3.R3.R Software |
| **S5850-48S6Q** | S5850-48S6Q, 48-Port Ethernet L3 Switch, 48 x 10Gb SFP+, with 6 x 40Gb QSFP+, Support MLAG | FSOS V7.4.3.R3.R Software |
| **S5850-48S6Q-R** | S5850-48S6Q-R, 48-Port Ethernet L3 Switch, 48 x 10Gb SFP+, with 6 x 40Gb QSFP+, Support MLAG | - |
| **S5850-48B8C** | S5850-48B8C, 48-Port Ethernet L3 Switch, 48 x 25Gb SFP28, with 8 x 100Gb QSFP28, Support MLAG | - |
| **S5850-48S8C** | S5850-48S8C, 48-Port Ethernet L3 Switch, 48 x 10Gb SFP+, with 8 x 100Gb QSFP28, Support MLAG | - |
| **S5850-24S2Q** | S5850-24S2Q, 24-Port Ethernet L3 Switch, 24 x 10Gb SFP+, with 2 x 40Gb QSFP+, Support MLAG | FSOS V7.4.3.R3.R Software |
| **S5850-24S2Q-DC** | S5850-24S2Q-DC, 24-Port Ethernet L3 Switch, 24 x 10Gb SFP+, with 2 x 40Gb QSFP+, Support MLAG, Dual DC PSUs | FSOS V7.4.3.R3.R Software |
| **S5850-24S2C** | S5850-24S2C, 24-Port Ethernet L3 Switch, 24x 10Gb SFP+, with 2x 100Gb QSFP28, Support MLAG | FSOS V7.4.3.R3.R Software |
| **S5850-24T16B** | S5850-24T16B, 16-Port Ethernet L3 Switch, 16 x 25Gb SFP28, with 24 x Gigabit RJ45, Hyper-Converged Infrastructure | FSOS V7.4.3.R3.R Software |
| **S5850-24XMG** | S5850-24XMG, 24-Port Ethernet L3 Switch, 24 x 10GBASE-T/Multi-Gigabit, with 2 x 100Gb QSFP28, Support MLAG | - |
| **S5850-24XMG-U** | S5850-24XMG-U, 24-Port Ethernet L3 PoE++ Switch, 24 x PoE++ Ports @1000W, with 2 x 100Gb QSFP28, Support MLAG | - |

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## Licensing

Metro Advanced License includes the functions of MPLS, LDP, MPLS-L2VPN, MPLS-L3VPN, VxLAN-BGP-EVPN, IPFIX. The license is specific to the switch for which it is issued and is not valid on any other switch, so the license is not portable across devices.

Metro Advanced License is offered as perpetual license, it is applicable to multiple devices, including S5800-48T4S, S5800-48F4SR, S5850-24T16S, S5850-24T16B, S5850-24XMG, S5850-32S2Q, S5850-48S6Q, S5850-48S6Q-R, S5850-48S2Q4C, S5850-48T4Q, S8050-20Q4C, S5800-48T4S-DC, S5800-48F4SR-DC.

For more information, visit: https://www.fs.com/products/100590.html

## Product specifications

Table 9 througth 10 show the product specifications for the FS S5850 series switches.

**Table 9. Product specifications with 48 port**

| Description | S5850-48T4Q | S5850-48S6Q | S5850-48S6Q-R | S5850-48B8C | S5850-48S8C |
|---|---|---|---|---|---|
| **Environmental** | | | | | |
| Operating temperature | 32°F to 113°F (0°C to 45°C) | 32°F to 113°F (0°C to 45°C) | 32°F to 113°F (0°C to 45°C) | 32°F to 113°F (0°C to 45°C) | 32°F to 113°F (0°C to 45°C) |
| Storage temperature | -40°F to 158°F (-40°C to 70°C) | -40°F to 158°F (-40°C to 70°C) | -40°F to 158°F (-40°C to 70°C) | -40°F to 158°F (-40°C to 70°C) | -40°F to 158°F (-40°C to 70°C) |
| Operating humidity | 10% to 90% (Non-condensing) | 10% to 90% (Non-condensing) | 0 to 95% (Non-condensing) | 0 to 95% (Non-condensing) | 0 to 95% (Non-condensing) |
| Storage humidity | 0 to 95% (Non-condensing) | 0 to 95% (Non-condensing) | 0 to 95% (Non-condensing) | 0 to 95% (Non-condensing) | 0 to 95% (Non-condensing) |
| Temperature alarm | Supported | Supported | Supported | Supported | Supported |
| Acoustic noise | <77dB | 59.1dB | 73.3 dB | 73.3dB | 73.3dB |
| **Physical specifications** | | | | | |
| Dimensions (HxWxD) | 1.72"x17.32"x16.54" (43.6x440x420mm) | 1.72"x17.32"x18.5" (43.6x440x470mm) | 1.73"x17.4"x17.75" (44x442x451mm) | 1.73"x17.5'x18.9' (44×442×422mm) | 1.73"x17.5'x18.9' (44×442×422mm) |
| Rack units (RU) | 1 RU | 1 RU | 1 RU | 1 RU | 1 RU |

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| Description | S5850-48T4Q | S5850-48S6Q | S5850-48S6Q-R | S5850-48B8C | S5850-48S8C |
|---|---|---|---|---|---|
| **Weight** | 17 lbs (7.9kg) | 18 lbs (8.3kg) | 20.3 lbs (9.2kg) | 20.3 lbs (9.2kg) | 20.3 lbs (9.2kg) |
| **Distance** | 100M | - | - | - | - |
| **Electrical** | | | | | |
| **Voltage (auto ranging)** | 100-240VAC | 100-240VAC | 100-240VAC | 100-240VAC | 100-240VAC;<br>-36V to -72V (S5850-48S8C-DC) |
| **Frequency** | 50-60Hz | 50-60Hz | 50-60Hz | 50-60Hz | 50-60Hz |
| **Current** | 7.5A Max | 6A Max | 7A Max | 7A Max | 7A Max |
| **Power rating (maximum consumption)** | 225W | 150W | 125W | 125W | 125W |
| **Mean-time between failures** | | | | | |
| **MTBF (hours)** | >90,000 | 97,210.07 | >70,080 | 162,213 | 162,213 |
| **Connectors** | | | | | |
| **Connectors and cabling** | • 1/10GBASE-T ports: RJ-45 connectors, 4-pair Cat5E/Cat6/Cat6a UTP cabling<br>• SFP transceivers: LC fiber connectors (single-mode or multimode fiber)<br>• SFP+ transceivers: LC fiber connectors (single-mode or multimode fiber)<br>• SFP28 transceivers: LC fiber connectors (single-mode or multimode fiber)<br>• QSFP+ transceivers: MPO and LC fiber connectors (single-mode or multimode fiber)<br>• QSFP28 transceivers: MPO and LC fiber connectors (single-mode or multimode fiber)<br>• Ethernet management port: RJ-45 connectors, 4-pair Cat5 UTP cabling<br>• Management console port: RJ-45-to-DB9 cable for PC connections | | | | |
| **Power connectors** | • Customers can provide power to a switch by using the internal power at the back of the switch<br>• Internal power supply connector: The internal power supply is an auto-ranging unit. It supports input voltages between 100 (115 for 1100WAC) and 240 VAC. Use the supplied AC power cord to connect the AC power connector to an AC power outlet | | | | |
| **Standards** | | | | | |
| **Standards** | 802.1s, 802.1w, 802.1x, 802.1ad, 802.1d, 802.1p, 802.1q, RMON, SNMPV1 V2 V3 | | | | |

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## Table 10. Product specifications with 24 port

| Description | S5850-24S2Q | S5850-24S2C | S5850-24T16B | S5850-24XMG | S5850-24XMG-U |
|---|---|---|---|---|---|
| **Environmental** | | | | | |
| **Operating temperature** | 32°F to 113°F (0°C to 45°C) | 32°F to 113°F (0°C to 45°C) | 32°F to 113°F (0°C to 45°C) | 32°F to 113°F (0°C to 45°C) | 32°F to 113°F (0°C to 45°C) |
| **Storage temperature** | -40°F to 158°F (-40°C to 70°C) | -40°F to 158°F (-40°C to 70°C) | -40°F to 158°F (-40°C to 70°C) | -40°F to 158°F (-40°C to 70°C) | -40°F to 158°F (-40°C to 70°C) |
| **Operating humidity** | 0 to 95% (Non-condensing) | 10% to 90% (Non-condensing) | 10% to 90% (Non-condensing) | 10% to 90% (Non-condensing) | 10% to 90% (Non-condensing) |
| **Storage humidity** | 0 to 95% (Non-condensing) | 0 to 95% (Non-condensing) | 0 to 95% (Non-condensing) | 0 to 95% (Non-condensing) | 0 to 95% (Non-condensing) |
| **Temperature alarm** | Supported | Supported | Supported | Supported | Supported |
| **Acoustic noise** | 38dB | 38dB | 46dB | <64dB | <66dB |
| **Physical specifications** | | | | | |
| **Dimensions (HxWxD)** | 1.73"x17.5"x14.6" (43.6x440x370mm) | 1.73"x17.5"x14.6" (43.6x440x370mm) | 1.72"x17.32"x13.78" (43.6x440x350mm) | 1.72''x17.40''x14.04'' (43.6x442x356.5mm) | 17.40''x14.04''x1.72''(442×356.5×43.6mm) |
| **Rack units (RU)** | 1RU | 1RU | 1RU | 1RU | 1RU |
| **Weight** | 13.11 lbs (5.95kg) | 13.11 lbs (5.95kg) | 13 lbs (5.8kg) | 15.34 lbs (6.96kg) | 15.65lbs (7.1kg) |
| **Distance** | - | - | - | 100M | 100M |
| **Electrical** | | | | | |
| **Voltage (auto ranging)** | 100-240VAC; -36V to -72V (S5850-24S2Q-DC) | 100-240VAC; -36V to -72V (S5850-24S2C-DC) | 100-240VAC | 100-240VAC | 100-240VAC |
| **Frequency** | 50-60Hz | 50-60Hz | 50-60Hz | 50-60Hz | 50-60Hz |
| **Current** | 2A | 2A | 3A | 5.5A | 8.5A |
| **Power rating (maximum consumption)** | 44W | 44W | 55W | 100W | 100W without PoE |
| **Mean-time between failures** | | | | | |
| **MTBF (hours)** | 206,988 | 206,988 | 216,431.48 | >90,000 | 90,000 |

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| Description | S5850-24S2Q | S5850-24S2C | S5850-24T16B | S5850-24XMG |
|---|---|---|---|---|
| **Connectors** | | | | |
| **Connectors and cabling** | • 1/10GBASE-T ports: RJ-45 connectors, 4-pair Cat5E/Cat6/Cat6a UTP cabling<br>• SFP transceivers: LC fiber connectors (single-mode or multimode fiber)<br>• SFP+ transceivers: LC fiber connectors (single-mode or multimode fiber)<br>• SFP28 transceivers: LC fiber connectors (single-mode or multimode fiber)<br>• QSFP+ transceivers: MPO and LC fiber connectors (single-mode or multimode fiber)<br>• QSFP28 transceivers: MPO and LC fiber connectors (single-mode or multimode fiber)<br>• Ethernet management port: RJ-45 connectors, 4-pair Cat5 UTP cabling<br>• Management console port: RJ-45-to-DB9 cable for PC connections | | | |
| **Power connectors** | • Customers can provide power to a switch by using the internal power at the back of the switch<br>• Internal power supply connector: The internal power supply is an auto-ranging unit. It supports input voltages between 100 (115 for 1100WAC) and 240 VAC. Use the supplied AC power cord to connect the AC power connector to an AC power outlet | | | |
| **Standards** | | | | |
| **Standards** | 802.1s, 802.1w, 802.1x, 802.1ad, 802.1d, 802.1p, 802.1q, RMON, SNMPV1 V2 V3 | | | |

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## Quality certification

At FS, our Quality Commitment lies in all aspects of processes, resources, and methods that enable us to build superior networks for our customers. Through a quality policy focusing on continuous improvement of products and services, we're able to achieve the highest levels of satisfaction for our customers. To that end, every FS employee is accountable for contributing to the value of the products and services we deliver.

Figures 9  shows some of the authoritative certifications obtained by FS S5850 Series Switches.




**Figure 9.**

## Optics supported

For details about the optical modules available, visit:
**S5850-48T4Q:** Transceivers DACs and AOCs Supported on S5850-48T4Q Switch
**S5850-24S2Q:** Transceivers DACs and AOCs Supported on S5850-24S2Q Switch

## Warranty, service and support

FS S5850 Series Switches enjoy 5 years limited warranty against defects in materials or workmanship. For more information for FS Returns & Refunds policy, visit https://www.fs.com/policies/warranty.html or https://www.fs.com/policies/day_return_policy.html

FS provides a personal account manager, free professional technical support, and 24/7 live customer service to each customer.

- Professional Lab: Test each product with the latest and advanced networking equipment.
- Free Technical Support: Provide free & tailored solutions and services for your businesses.
- 80% Same-day Shipping: Immediate shipping for in-stock items.
- Fast Response: Direct and immediate assistance from an expert.

For more information, visit https://www.fs.com/service/fs_support.html

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# Ordering information

Table 11 provides the ordering information for S5850 series switches.

**Table 11. Ordering information**

| FS P/N | Product description |
|---|---|
| **Switch hardware** | |
| S5850-48T4Q | S5850-48T4Q, 48-Port Ethernet L3 Switch, 48 x 10GBASE-T, with 4 x 40Gb QSFP+, Support MLAG |
| S5850-48T4Q-PE | S5850-48T4Q-PE, 48-Port Ethernet L3 Switch, 48 x 10GBASE-T, with 4 x 40Gb QSFP+, Support MLAG |
| S5850-48S6Q | S5850-48S6Q, 48-Port Ethernet L3 Switch, 48 x 10Gb SFP+, with 6 x 40Gb QSFP+, Support MLAG |
| S5850-48S6Q-R | S5850-48S6Q-R, 48-Port Ethernet L3 Switch, 48 x 10Gb SFP+, with 6 x 40Gb QSFP+, Support MLAG |
| S5850-48S6Q-R-PE | S5850-48S6Q-R-PE, 48-Port Ethernet L3 Switch, 48 x 10Gb SFP+, with 6 x 40Gb QSFP+, Support MLAG |
| S5850-48B8C | S5850-48B8C, 48-Port Ethernet L3 Switch, 48 x 25Gb SFP28, with 8 x 100Gb QSFP28, Support MLAG |
| S5850-48B8C-PE | S5850-48B8C-PE, 48-Port Ethernet L3 Switch, 48 x 25Gb SFP28, with 8 x 100Gb QSFP28, Support MLAG |
| S5850-48S8C | S5850-48S8C, 48-Port Ethernet L3 Switch, 48 x 10Gb SFP+, with 8 x 100Gb QSFP28, Support MLAG |
| S5850-48S8C-PE | S5850-48S8C-PE, 48-Port Ethernet L3 Switch, 48 x 10Gb SFP+, with 8 x 100Gb QSFP28, Support MLAG |
| S5850-48S8C-DC | S5850-48S8C-DC, 48-Port Ethernet L3 Switch, 48 x 10Gb SFP+, with 8 x 100Gb QSFP28, Support MLAG, Dual DC PSUs |
| S5850-24S2Q | S5850-24S2Q, 24-Port Ethernet L3 Switch, 24 x 10Gb SFP+, with 2 x 40Gb QSFP+, Support MLAG |
| S5850-24S2Q-PE | S5850-24S2Q-PE, 24-Port Ethernet L3 Switch, 24 x 10Gb SFP+, with 2 x 40Gb QSFP+, Support MLAG |
| S5850-24S2Q-DC | S5850-24S2Q-DC, 24-Port Ethernet L3 Switch, 24 x 10Gb SFP+, with 2 x 40Gb QSFP+, Support MLAG, Dual DC PSUs |
| S5850-24S2C | S5850-24S2C, 24-Port Ethernet L3 Switch, 24 x 10Gb SFP+, with 2x 100Gb QSFP28, Support MLAG |
| S5850-24S2C-PE | S5850-24S2C-PE, 24-Port Ethernet L3 Switch, 24 x 10Gb SFP+, with 2x 100Gb QSFP28, Support MLAG |
| S5850-24S2C-DC | S5850-24S2C-DC, 24-Port Ethernet L3 Switch, 24 x 10Gb SFP+, with 2x 100Gb QSFP28, Support MLAG, Dual DC PSUs |
| S5850-24T16B | S5850-24T16B, 16-Port Ethernet L3 Switch, 16 x 25Gb SFP28, with 24 x Gigabit RJ45, Hyper-Converged Infrastructure |
| S5850-24XMG | S5850-24XMG, 24-Port Ethernet L3 Switch, 24 x 10GBASE-T/Multi-Gigabit, with 2 x 100Gb QSFP28, Support MLAG |
| S5850-24XMG-U | S5850-24XMG-U, 24-Port Ethernet L3 PoE++ Switch, 24 x PoE++ Ports @1000W, with 2 x 100Gb QSFP28, Support MLAG |

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| FS P/N | Product description |
|---|---|
| **Software licenses** | |
| LIC-FIX-MA | Metro Advanced License for S5800, S5850, S8050 Series Switches, Includes MPLS, VXLAN-BGP-EVPN, Permanent |
| **Power supplies** | |
| GPR150-A1M | Hot-swappable AC Power Module 150W, for S5800-48F4SR, S5800-48T4S, S5850-24S2Q, S5850-24S2C |
| FSP150-HS12 | Hot-swappable DC Power Module 150W, for S5800-48F4SR, S5800-48T4S, S5850-24S2Q |
| YM-1151E | Hot-swappable DC Power Module 150W, for S5850-32S2Q, S5800-8TF12S, S5850-24T16B, T5850-32S2Q, T5800-8TF12S |
| GW-T150WV12 | Hot-swappable AC Power Module 150W, for S5850-32S2Q, S5800-8TF12S, S5850-24T16B, T5850-32S2Q and T5800-8TF12S |
| UM400D01-01 | Hot-swappable DC Power Module 400W, for S5850-48S6Q, S5850-48S2Q4C, S8050-20Q4C, T5850-48S6Q, T5850-48S2Q4C, T8050-20Q4C |
| CPR-4011-4M1 | Hot-swappable AC Power Module 400W, for S5850-48S6Q, S5850-48S2Q4C, S8050-20Q4C, T5850-48S6Q, T5850-48S2Q4C and T8050-20Q4C |
| **Fan Module** | |
| AFM-5850-8050 | Hot-swappable Fan Module, Front-to-Back Airflow through the S5850-48S6Q, S5850-48S2Q4C and S8050-20Q4C Switches Chassises |
| **Spare power cords** | |
| FSPSABSC13-10A | 6ft (1.8m) SABS to IEC320 C13 250V/10A Power Extension Cord, Black |

## Additional information

For more information about the S5850 Series Switches, contact your account manager or visit https://www.fs.com/search_result?keyword=S5850

## Document history

| New or revised topic | Described in | Date |
|---|---|---|
| FS S5850 Series Switches Data Sheet | Add S5850-48S6Q-R; S5850-48S6Q-R-PE; S5850-48B8C-PE; S5850-48S8C-PE; S5850-24S2Q-PE; S5850-24S2C-PE | 2/2/2023 |
| Updates to FS S5850 Series Switches Data Sheet | Updated all | 10/29/2022 |

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