



FS Industrial Switches Product Portfolio

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FS Industrial Switches

Overview

With the development of industry, more and more factories need to build industrial automation systems to meet the needs of modern industry, such as high reliability, flexibility, and easy maintenance. Featuring an IP41 rating, anti-electromagnetic interference, and microsecond-level latency, FS ruggedized industrial switches are purpose-built for demanding operating conditions in every industry, such as factory floors, electric substations, and transportation, to help you digitize operations, protect against cyber threats, and reduce downtime.

Unmanaged DIN Rail Industrial Switch

IES2100 Series

[IES2100-5FE](#)

5-Port Gigabit Ethernet L2 Switch



- IP41 Metal Enclosure for -40 to 75° C Harsh Environments
- Plug and Play, No Configuration Needed
- DIN-rail Mounting for Efficient Use of Cabinet Space
- Wide-range Redundant Power, with Fanless Design
- Energy Saving and Low Power Consumption

[IES2100-8FE](#)

8-Port Gigabit Ethernet L2 Switch



- IP41 Metal Enclosure for -40 to 75° C Harsh Environments
- Plug and Play, No Configuration Needed
- DIN-rail Mounting for Efficient Use of Cabinet Space
- Wide-range Redundant Power, with Fanless Design
- Energy Saving and Low Power Consumption

Feature highlights

- Unmanaged Switch with Industry-grade Design
- DIN-rail Switch, Up to 8 Ports
- IP41 Metal Enclosure with Conformal Coating
- Plug and Play, Easily Integrated

Suitable for Simple, Unmanaged Small Industrial Networks

L2/L2+ Managed DIN-rail Switch

IES3100 Series

[IES3100-8TF-P](#)

8-Port Gigabit Ethernet L2+ Switch



- IP30 Metal Enclosure for Harsh Environments and Temperatures from -40 to 75° C
- Up to 8 PoE+ Ports, 240W PoE Power Budget
- DIN-rail Mounting for Efficient Use of Cabinet Space
- Dual Redundant Power Inputs Design for DC Models
- ERPS Enables Failover Protection in Sub-50ms

[IES3100-8TF](#)

8-Port Gigabit Ethernet L2 Switch



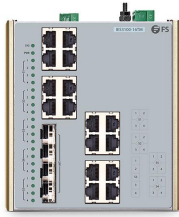
- IP40 Metal Enclosure for Harsh Environments and Temperatures from -40 to 75° C
- DIN-rail Mounting for Efficient Use of Cabinet Space
- Support IEEE 1588v2 PTP (Precision Time Protocol) to Achieve Precise Synchronization
- ERPS Enables Failover Protection in Sub-50ms.
- Support Port-based VLAN, IEEE 802.1Q VLAN, IEEE 1588v2 PTP, and GVRP

[IES3100-8T4F-P](#)

8-Port Gigabit Ethernet L2 Switch



- Broadcom BCM53313 Chip, Up to 8 PoE+ Ports, 240W PoE Power Budget
- IP30 Metal Enclosure for Harsh Environments and Temperatures from -40 to 75° C
- DIN-rail Mounting for Efficient Use of Cabinet Space
- ERPS Enables Failover Protection in Sub-50ms.
- Support VLAN, QinQ, QoS and LACP to Ease Network Planning

[IES3100-16TM](#)**20-Port Gigabit Ethernet L2+ Switch**

- DIN-rail Mounting for Efficient Use of Cabinet Space
- Robust IP40 Aluminum Metal Enclosure for Use in Industrial Environments
- Operate Stably Under the Temperature Range of -40 – 85° C
- Hardened for Vibration, Shock and Surge
- Support VLAN, QoS and LACP to Ease Network Planning

Feature highlights

- L2/L2+ Managed DIN-rail Switch
- Up to 16 Ports, 8 PoE+ Ports (240W Budget)
- IP40/30 Metal Enclosure
- Support ERPS, MVRP, MRP, NTP

Suitable for Space-saving, Entry-level Small and Medium Industrial Solution

IES3220 Series[IES3220-4T2F](#)**6-Port Gigabit Ethernet L2+ Switch**

- Support Transparent Transmission for PROFINET, EtherNet/IP, Modbus TCP
- Robust IP41 Aluminum Metal Enclosure for Use in Industrial Environments
- Operate Stably Under the Temperature Range of -40 to 75° C
- Support SNMP v1/v2/v3/CLI/Web/TELNET/FTP/SSH2.0/SSL
- DIN-rail Mounting for Efficient Use of Cabinet Space

[IES3220-8T4F-U](#)**12-Port Gigabit Ethernet L2+ Switch**

- Marvell AC3 Chip, Up to 8 PoE++ Ports, 360W PoE Power Budget
- Support Transparent Transmission for PROFINET, EtherNet/IP, Modbus TCP
- Robust IP41 Aluminum Metal Enclosure for Use in Industrial Environments
- Support SNMP v1/v2/v3/CLI/Web/TELNET/FTP/SSH2.0/SSL
- DIN-rail Mounting for Efficient Use of Cabinet Space

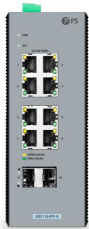
[IES3220-8T4F](#)**12-Port Gigabit Ethernet L2+ Switch**

- Support Transparent Transmission for PROFINET, EtherNet/IP, Modbus TCP
- Robust IP41 Aluminum Metal Enclosure for Use in Industrial Environments
- Operate Stably Under the Temperature Range of -40 to 75° C
- Support SNMP v1/v2/v3/CLI/Web/TELNET/FTP/SSH2.0/SSL
- DIN-rail Mounting for Efficient Use of Cabinet Space

Feature highlights

- Marvell Chip, L2 Managed DIN-rail Switch
- Up to 12 Ports, 8 PoE++ Ports (360W Budget)
- IP41 Metal Enclosure with Conformal Coating
- Support ERPS, PTP, MRP, RRPP

Suitable for High Redundancy Small and Medium Industrial Automation Access Networks

L2/L2+ Managed DIN-rail/Wall-mount Switch**IES3110 Series****[IES3110-8TF-R](#)****8-Port Gigabit Ethernet L2+ Switch**

- ERPS Enables Failover Protection in Sub-50ms
- Operate Stably Under the Temperature Range of -40 – 85° C
- Flexible Mounting Options of DIN-rail and Wall Mounting
- Support IEEE 1588v2 PTP to Achieve Precise Synchronization
- Support CLI/WEB/SSH/Telnet/SNMP

[IES3110-8TF](#)**8-Port Gigabit Ethernet L2+ Switch**

- IP30 Metal Enclosure for Harsh Environments and Temperatures from -40 to 75° C
- DIN-rail Mounting for Efficient Use of Cabinet Space
- Supports Modbus TCP Integration for Remote Factory Monitoring & Maintenance
- Support ERPS, IEEE 1588v2 PTP, SSH, TLS, DHCP Snooping, ACL, etc.
- Support CLI/WEB/SSH/Telnet/SNMP for Easy Network Management

L2/L2+ Managed DIN-rail/Wall-mount Switch

IES3110 Series

[IES3110-8TFP-R](#)

8-Port Gigabit Ethernet L2+ Switch



- IP40 Metal Enclosure for -40 to 75° C Harsh Environments
- Up to 8 PoE+ Ports, 240W PoE Power Budget
- Support 6KV Lightning Protection, ESD 15KV
- Support IEEE 1588v2 PTP (Precision Time Protocol) to Achieve Precise Synchronization
- Flexible Mounting Options of DIN-rail and Wall Mounting

[IES3110-8TF-P](#)

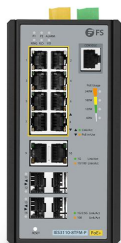
8-Port Gigabit Ethernet L2+ Switch



- IP30 Metal Enclosure for -40 to 75° C Harsh Environments
- from -40 to 75° C
- Up to 8 PoE+ Ports, 240W PoE Power Budget
- DIN-rail Mounting for Efficient Use of Cabinet Space
- Dual Redundant Power Inputs Design for DC Models
- ERPS Enables Failover Protection in Sub-50ms

[IES3110-8TFM-P](#)

8-Port Gigabit Ethernet L2+ Switch



- IP30 Metal Enclosure for -40 to 75° C Harsh Environments
- Up to 8 PoE+ Ports, Total Budget 240W
- DIN-rail or Wall Mounting for Efficient Use of Cabinet Space
- Support ERPS, PTP, LACP, DHCP Server, QoS, ACL, etc
- Support WEB/CLI/SSH/TLS for Easy Network Management

IES3110 Series

[IES3110-8M12](#)

8-Port Gigabit Ethernet L2 Switch



- DIN-rail or Wall Mounting for Efficient Use of Cabinet Space
- M12 Port with Vibration and Dust Protection
- Bypass Relay Prevents Link Failure During Power Loss
- IP40 Metal Enclosure for -40 to 75° C Harsh Environments
- Support ERPS, PTP, LACP, DHCP Server, QoS, ACL, etc.

[IES3110-16TF](#)

16-Port Gigabit Ethernet L2 Switch



- IP30 Metal Enclosure for -40 to 75° C Harsh Environments
- DIN-rail Mounting or Wall Mounting for Efficient Use of Cabinet Space
- Supports Both High-voltage AC and Low-voltage DC Inputs
- Support QoS, SSH, TLS, SSL, DHCP Snooping, etc.
- Support CLI/WEB/SSH/Telnet/SNMP for Easy Network Management

[IES3110-24TF](#)

24-Port Gigabit Ethernet L2+ Switch



- Rack Mount for Installation
- IP30 Metal Enclosure for -40 to 75° C Harsh Environments
- Supports Both High-voltage AC and Low-voltage DC Inputs
- Support ERPS, IEEE 1588v2 PTP, QoS, VLANs, etc.
- Support CLI/WEB/SSH/Telnet/SNMP for Easy Network Management

Feature highlights

- L2/L2+ Managed DIN-rail/Wall-mount Switch
- Up to 24 Ports, 8 PoE+/M12 Ports (240W Budget)
- IP40/30 Metal Enclosure
- Support ERPS, PTP, SSH, TLS, DHCP Snooping

Suitable for High Reliable and Flexible Installation in Small and Medium Industrial Access Networks

L2 Managed TSN DIN-rail Switch

TSN3220 Series

[TSN3220-10S-U](#)

10-Port Gigabit Ethernet L2 Switch



- TSN Enables the Control and Prioritization of Data Streams in Networks
- Up to 8 PoE++ Ports, 360W PoE Power Budget
- Support IEEE 1588v2 (PTP OC, TC and BC Mode) and SyncE
- Robust IP41 Aluminum Metal Enclosure for Use in Industrial Environments
- Support CLI/Web/TELNET/FTP/SSH2.0/SSL

[TSN3220-10S](#)

10-Port Gigabit Ethernet L2 Switch



- TSN Enables the Control and Prioritization of Data Streams in Networks
- Support IEEE 1588v2 (PTP OC, TC and BC Mode) and SyncE
- Robust IP41 Aluminum Metal Enclosure for Use in Industrial Environments
- Operate Stably Under the Temperature Range of -40 to 75° C
- Support CLI/Web/TELNET/FTP/SSH2.0/SSL

Feature highlights

- Marvell Chip, L2 Managed TSN DIN-rail Switch
- Up to 10 Ports, 8 PoE++ Ports (360W Budget)
- IP41/40 Metal Enclosure with Conformal Coating
- Microsecond-level Latency, Support IEEE 1588v2 and SyncE

Suitable for Precise and Low-latency Small and Medium Industrial Automation Access Networks

L2+ Aggregation Rack Mounted Switch

IES5110 Series

[IES5110-20FMS](#)

20-Port Gigabit Ethernet L2+ Switch



- Supports Both High-voltage AC and Low-voltage DC Inputs.
- IP30 Metal Enclosure for -40 to 75° C Harsh Environments
- Support L2+ Static Routing, OSPF, DHCP Server
- Support ERPS, QinQ, LACP, ACL, QoS, etc.
- Support WEB/CLI/SSH/TLS/SNMP for Easy Network Management

Feature highlights

- Realtek Chip, L2+ Aggregation Rack Mounted Switch
- Up to 20 Ports, 10Gb SFP+ Uplinks
- IP30 Metal Enclosure
- Support L2+ Static Routing, OSPF, DHCP Server

Suitable for High-speed Exchange Large-Scale Industrial Aggregation Networks

IES5120 Series

[IES5120-28TS](#)

28-Port Gigabit Ethernet L2+ Switch



- Support Transparent Transmission for PROFINET, EtherNet/IP, Modbus TCP
- Robust IP41 Aluminum Metal Enclosure for Use in Industrial Environments
- Operate Stably Under the Temperature Range of -40 to 75° C
- Support MRP, RRPP, ERPS, LACP, DHCP Server, QoS, ACL, etc.
- Support WEB/CLI/SSH/SNMP for Easy Network Management

IES5120 Series

[IES5120-28TF](#)

28-Port Gigabit Ethernet L2+ Switch



- Support Transparent Transmission for PROFINET, EtherNet/IP, Modbus TCP
- Robust IP41 Aluminum Metal Enclosure for Use in Industrial Environments
- Operate Stably Under the Temperature Range of -40 to 75° C
- Support MRP, RRPP, ERPS, LACP, DHCP Server, QoS, ACL, etc.
- Support WEB/CLI/SSH/SNMP for Easy Network Management

[IES5120-28TS-P](#)

28-Port Gigabit Ethernet L2+ Switch



- Support Transparent Transmission for PROFINET, EtherNet/IP, Modbus TCP
- Up to 16 PoE+ Ports, 360W PoE Power Budget
- Robust IP41 Aluminum Metal Enclosure for Use in Industrial Environments
- Operate Stably Under the Temperature Range of -40 to 75° C
- Support MRP, RRPP, ERPS, LACP, DHCP Server, QoS, ACL, etc.

[IES5120-48T4S](#)

48-Port Gigabit Ethernet L2+ Switch



- Support Transparent Transmission for PROFINET, EtherNet/IP, Modbus TCP
- Robust IP41 Aluminum Metal Enclosure for Use in Industrial Environments
- Operate Stably Under the Temperature Range of -40 to 75° C
- Support MRP, RRPP, ERPS, LACP, DHCP Server, QoS, ACL, etc.
- Support WEB/CLI/SSH/SNMP for Easy Network Management

Feature highlights

- Marvell Chip, L2+ Aggregation Rack Mounted Switch
- Up to 48 Ports, 8 PoE++ Ports (360W Budget)
- IP40 Metal Enclosure with Conformal Coating
- Support MRP, RRPP, ERPS, LACP, DHCP Server

Suitable for High Performance and Scalability Large-Scale Industrial Aggregation Networks

L3 Core Rack Mounted Modular Switch

IES5220 Series

[IES5220-6S-3ES](#)

3-Slot Modular Gigabit Ethernet L3 Switch



- Scalable Modular Design, Expandable to up to 30 Ports
- Support Transparent Transmission for PROFINET, EtherNet/IP, Modbus TCP
- IP40 Metal Enclosure for -40 to 70° C Harsh Environments
- Support IEEE 1588v2 (PTP OC, TC and BC Mode) and SyncE
- Supports Full Three-layer Routing Protocols Such As RIP, OSPF, IS-IS, and BGP

[IES5220-30TS-3ES](#)

3-Slot Modular Gigabit Ethernet L3 Switch



- Scalable Modular Design, Expandable to up to 54 Ports
- Support Transparent Transmission for PROFINET, EtherNet/IP, Modbus TCP
- IP40 Metal Enclosure for -40 to 70° C Harsh Environments
- Support IEEE 1588v2 (PTP OC, TC and BC Mode) and SyncE
- Supports Full Three-layer Routing Protocols Such As RIP, OSPF, IS-IS, and BGP

Feature highlights

- Marvell Chip, L3 Core Rack Mounted Modular Switch
- Expandable to Up to 54 Ports, 10Gb SFP+ Uplinks
- Microsecond-level Latency, Support IEEE 1588v2 and SyncE
- Supports Full L3 Routing Protocols RIP, OSPF, IS-IS, BGP

Suitable for Precise and High Bandwidth Large-Scale Industrial Automation Backbone Networks



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