

Managed Switches

Communication in automation networks differs from communication in company networks in several key aspects. The switches must be tailored to the specific requirements of industrial environments.

Phoenix Contact provides universal Managed Switches 2000 tailored to your system with an optimum performance spectrum for standard and PROFINET applications – you can select the design, approvals, and connections appropriate for your needs.

i Web code: #1555



For standard applications

The 2000 series Managed Switches offer clear configuration and diagnostics options as well as automatic error detection and troubleshooting. Alongside a wider range of functions, the 2200 and 2300 versions also offer communication via fiberglass and approvals for the process industry.

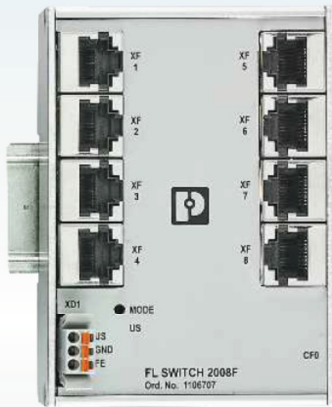


For flat control cabinets

With the low overall depth and downwards port output direction, the FL SWITCH 2400 and 2500 versions are ideally suited for use in flat control cabinets. The devices with 8 or 16 ports can also be used in extreme ambient conditions due to their robust metal housings.

Your advantages

- ✓ Easy integration into existing networks and flexible redundancy for all topologies with the RSTP standard
- ✓ High availability with rapid redundancy switch-over by means of fast ring detection and MRP
- ✓ Diagnostics and analysis options with integrated software functions
- ✓ Varied connection methods for high flexibility



For flat control cabinets

The FL SWITCH 2008F provides the proven functions of the FL-SWITCH-2000 range in the tightest of spaces. With an extremely flat design, the 8-port device with a forward port outlet direction can be used in very flat control cabinets.



For field applications

The FL SWITCH 2600 and 2700 devices are available for applications directly in the field. The robust housings enable mounting on a profile or on the wall and support classic M12 and M12 push-pull connections which makes them extremely flexible in application. Moreover, a redundant power input/output also enables scalable networks.

Managed Switches

The 3000 to 7000 series are available for applications with special demands. The Managed Switches provide you with a range of IEEE standards and IT functions or properties in accordance with IEC 61850 and IEEE 1613. Furthermore, there are also switches that are specially optimized for use in PROFINET IRT or EtherNet/IP networks.

i Web code: #1555



For failsafe applications

Switches from the 3000 and 4000 series are perfectly suited to challenging infrastructure applications. With rapid redundancy switch-over in less than 15 ms, they ensure a high level of availability. Fiber optic versions facilitate error-free communication over large distances. Special attention has been paid to user-friendly operation and configuration.

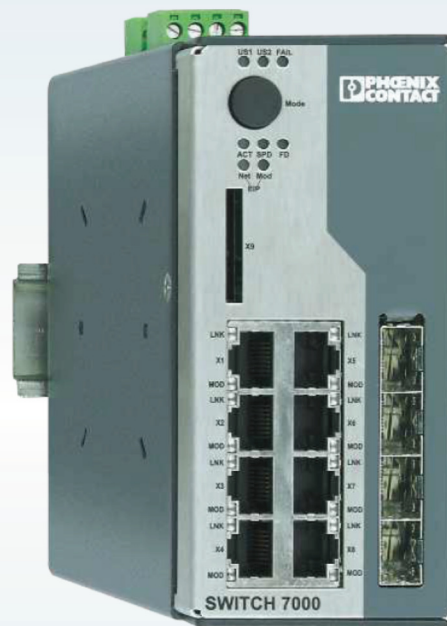
For power plants

The E versions of the 3000 and 4000 switch series are evensuitable for use under the harshest ambient conditions in accordance with IEC 61850-3 and IEEE 1613. With an extended temperature range, impact resistance, shock resistance, and vibration resistance, the fanless switches are particularly robust. Furthermore, the products are resistant to electrostatic discharge (ESD), fast, transient disturbance variables (burst), surge voltages (surge), and magnetic fields.

For high network availability

The PRP redundancy modules enable parallel network redundancy without switching time in the event of a failure and ensure high availability for your network. They are suitable for use under the harshest electromagnetic, electrostatic, and climatic ambient conditions in accordance with IEC 61850-3/IEEE 1613.

More information on PRP modules on page 71



For PROFINET IRT

The FL SWITCH IRT switches offer optimum real time properties for PROFINET applications. They detect PROFINET data packets based on their ID and forward these data packets with the highest priority. The polymer fiber ports can be configured to create interference-free fiber optic rings that can be diagnosed – optionally with an additional fiber optic branch.

For EtherNet/IP

The 7000 series Managed Switches support the Device Level Ring (DLR) redundancy mechanism. The switch is integrated directly into the ring and provides you with the option to connect up to six devices to it. With the Common Industrial Protocol (CIP), the FL SWITCH 7000 switches can be fully integrated into your EtherNet/IP™ control system.

Managed Switches: Routers and layer 3 switches

With industrial routers and layer 3 switches from Phoenix Contact, you can integrate machines, production systems or entire subnetworks into your higher-level company network. The switches with NAT routing function combine the properties of a Managed Switch with those of a 1:1 NAT router – in a single DIN rail device. The Managed Switches with a modular design form the backbone of your automation application.

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For easy integration into the network

The FL NAT 2000 switches offer you switch functions and NAT routing in just one DIN rail device. The NAT switches have a total of 8 ports that you can use as LAN or WAN ports depending on the application. This enables a redundant connection of machines to your higher-level network.

Your advantages








- ✓ Optimum network structure, thanks to segmentation via layer 3 switches
- ✓ Easy connection of machines to the production network irrespective of the address area
- ✓ Integration of systems with the same IP address areas into higher-level networks, thanks to switch with NAT function
- ✓ Connection of several subnetworks via a wide range of media types using layer 3 function and variety of media



For particularly exacting demands

Our most powerful switch is the Modular Managed Switch. As a gigabit switch with optional layer 3 function, it is particularly suitable for use as an automation backbone and for connection to the higher-level company network. A large range of combinable media modules as well as use in PROFINET RT and EtherNet/IP™ offer very high flexibility.

Managed Switches

							
	2400/2700	3000	4000/4800	PROFINET IRT	7000	NAT 2000/2200/2300	GHS Modular Managed
Port speed (Mbps)	10/100/(1000)	10/100	10/100/1000	10/100	10/100/(1000)	10/100/(1000)	10/100/1000
Alarm contact/alarm output	- / -	● / -	● / -	● / -	● / -	- / (●)	● / -
Filter functions							
Quality of Service: Class of Service/DSCP	● / ●	● / ●	● / ●	● / -	● / -	● / ●	● / ●
Static VLANs	●	●	●	-	●	●	●
Multicast filters: IGMP snooping/querier	●	●	●	-	●	●	●
Traffic delimiter	●	●	●	-	●	●	●
Management functions							
Role-based user management	●	●	●	-	-	●	-
Port Configuration	●	●	●	●	●	●	●
IP configuration: BootP/DHCP/DSCP	● / ● / ●	● / ● / -	● / ● / -	- / - / ●	● / ● / -	● / ● / (●)	● / ● / ●
Command Line Interface (CLI)	●	-	-	-	-	●	●
Time synchronization: SNTP client/server	● / -	● / ●	● / ●	- / -	- / -	● / -	● / -
Diagnostic functions							
Port statistics and utilization	●	●	●	●	●	●	●
SNMP (v1/v2/v3)	●	●	●	● (v1/v2 only)	●	●	●
Event messages: Syslog/SNMP traps	● / ●	- / ●	- / ●	- / -	- / ●	● / ●	- / ●
N:1 port mirroring	●	●	●	●	●	●	●
Link Layer Discovery Protocol (LLDP)	●	●	●	●	●	●	●
Address Conflict Detection (ACL)	●	-	-	-	●	●	-
Redundancy functions							
Rapid Spanning Tree Protocol (RSTP)	●	●	●	-	●	●	●
Fast Ring Detection/Large Tree Support	● / ●	- / -	- / -	- / -	● / ●	(●) / (●)	● / ●
Extended ring redundancy	-	●	●	-	-	-	-
MRP manager/client	● / ●	- / -	- / -	● / ●	- / -	(●) / ●	● / ●
Device Level Ring (DLR)	-	-	-	-	●	-	-
Link aggregation: static trunking/LACP	● / ●	● / ●	● / ●	- / -	● / -	(●) / (●)	● / ●
Security functions							
Port security: MAC-based	●	●	●	-	●	(●)	●
RADIUS authentication (IEEE 802.1x)	●	●	●	-	-	●	●
Layer 3 functions							
Routing/NAT	- / -	- / -	- / -	- / -	- / -	● / ●	● / ●
Router redundancy (VRRP)	-	-	-	-	-	-	●
Automation protocols							
PROFINET: conformance class/PN device	B / ●	A / -	A / -	C / ●	A / -	(B) / ●	B / ●
EtherNet/IP®: extended multicast filter/CIP	● / -	- / -	- / -	- / -	● / ●	● / -	● / -
Diagnostics via Modbus/TCP	-	●	●	-	-	-	-
Approvals/certificates							
Maritime/Ex approvals	● / -	- / ●	- / ●	- / -	- / ●	(●) / (●)	- / -
IEC 61850-3	-	(●)	(●)	-	-	-	-

- not available, ● available, (●) available in selected mode

Industrial Ethernet Switch - FL SWITCH 2005 - 2702323



Managed Switch 2000, 5 RJ45 ports 10/100 Mbps, degree of protection: IP20, PROFINET Conformance-Class A

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Industrial Ethernet Switch - FL SWITCH 2008F - 1106707



Managed Switch 2000, 8 RJ45 ports 10/100 Mbps, degree of protection: IP30, PROFINET Conformance-Class A

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Industrial Ethernet Switch - FL SWITCH 2016 - 2702903



Managed Switch 2000, 16 RJ45 ports 10/100 Mbps, degree of protection: IP20, PROFINET Conformance-Class A

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Industrial Ethernet Switch - FL SWITCH 2108 - 2702666



Managed Switch 2000, 8 RJ45 ports 10/100/1000 Mbps, degree of protection: IP20, PROFINET Conformance-Class A

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Industrial Ethernet Switch - FL SWITCH 2205 - 2702326



Managed Switch 2000, 5 RJ45 ports 10/100 Mbps, degree of protection: IP20, PROFINET Conformance-Class B

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Industrial Ethernet Switch - FL NAT 2208 - 2702882



Managed NAT Switch 2000, 8 RJ45 ports 10/100 Mbps, degree of protection: IP20, PROFINET Conformance-Class B, 1:1-NAT, Virtual NAT, IP-Masquerading

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Industrial Ethernet Switch - FL SWITCH 2208C - 1095627



Managed Switch 2000, 8 RJ45 ports 10/100 Mbps, degree of protection: IP20, PROFINET Conformance-Class B, Coated PCB

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Industrial Ethernet Switch - FL SWITCH 2207-FX - 2702328



Managed Switch 2000, 7 RJ45 ports 10/100 Mbps, 1 SC multi-mode 100 Mbps, degree of protection: IP20, PROFINET Conformance-Class B

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Industrial Ethernet Switch - FL SWITCH 2206-2FX - 2702330



Managed Switch 2000, 6 RJ45 ports 10/100 Mbps, 2 SC multi-mode 100 Mbps, degree of protection: IP20, PROFINET Conformance-Class B

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Industrial Ethernet Switch - FL SWITCH 2206-2FX ST - 2702332



Managed Switch 2000, 6 RJ45 ports 10/100 Mbps, 2 ST multi-mode 100 Mbps, degree of protection: IP20, PROFINET Conformance-Class B

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Industrial Ethernet Switch - FL SWITCH 2206-2SFX - 2702969



Managed Switch 2000, 6 RJ45 ports 10/100 Mbps, 2 SFP ports 100 Mbps, degree of protection: IP20, PROFINET Conformance-Class B

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Industrial Ethernet Switch - FL SWITCH 2204-2TC-2SFX - 2702334



Managed Switch 2000, 4 RJ45 ports 10/100 Mbps, 2 SFP ports 100 Mbps, 2 Combo ports 10/100 Mbps, degree of protection: IP20, PROFINET Conformance-Class B

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Industrial Ethernet Switch - FL SWITCH 2008 - 2702324



Managed Switch 2000, 8 RJ45 ports 10/100 Mbps, degree of protection: IP20, PROFINET Conformance-Class A

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Industrial Ethernet Switch - FL NAT 2008 - 2702881



Managed NAT Switch 2000, 8 RJ45 ports 10/100 Mbps, degree of protection: IP20, PROFINET Conformance-Class A, 1:1-NAT, Virtual NAT, IP-Masquerading

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Industrial Ethernet Switch - FL SWITCH 2105 - 2702665



Managed Switch 2000, 5 RJ45 ports 10/100/1000 Mbps, degree of protection: IP20, PROFINET Conformance-Class A

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Industrial Ethernet Switch - FL SWITCH 2116 - 2702908



Managed Switch 2000, 16 RJ45 ports 10/100/1000 Mbps, degree of protection: IP20, PROFINET Conformance-Class A

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Industrial Ethernet Switch - FL SWITCH 2208 - 2702327



Managed Switch 2000, 8 RJ45 ports 10/100 Mbps, degree of protection: IP20, PROFINET Conformance-Class B

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Industrial Ethernet Switch - FL SWITCH 2206C-2FX - 1095628



Managed Switch 2000, 6 RJ45 ports 10/100 Mbps, 2 SC multi-mode 100 Mbps, degree of protection: IP20, PROFINET Conformance-Class B, Coated PCB

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Industrial Ethernet Switch - FL SWITCH 2208 PN - 1044024



Managed Switch 2000, 8 RJ45 ports 10/100 Mbps, degree of protection: IP20, PROFINET Conformance-Class B, PROFINET mode preset, PROFINET status LEDs

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Industrial Ethernet Switch - FL SWITCH 2207-FX SM - 2702329



Managed Switch 2000, 7 RJ45 ports 10/100 Mbps, 1 SC single mode 100 Mbps, degree of protection: IP20, PROFINET Conformance-Class B

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Industrial Ethernet Switch - FL SWITCH 2206-2FX SM - 2702331



Managed Switch 2000, 6 RJ45 ports 10/100 Mbps, 2 SC single mode 100 Mbps, degree of protection: IP20, PROFINET Conformance-Class B

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Industrial Ethernet Switch - FL SWITCH 2206-2FX SM ST - 2702333



Managed Switch 2000, 6 RJ45 ports 10/100 Mbps, 2 ST single mode 100 Mbps, degree of protection: IP20, PROFINET Conformance-Class B

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Industrial Ethernet Switch - FL SWITCH 2206-2SFX PN - 1044028



Managed Switch 2000, 6 RJ45 ports 10/100 Mbps, 2 SFP ports 100 Mbps, degree of protection: IP20, PROFINET Conformance-Class B, PROFINET mode preset, PROFINET status LEDs

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Industrial Ethernet Switch - FL SWITCH 2216 - 2702904



Managed Switch 2000, 16 RJ45 ports 10/100 Mbps, degree of protection: IP20, PROFINET Conformance-Class B

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Industrial Ethernet Switch - FL SWITCH 2216 PN - 1044029



Managed Switch 2000, 16 RJ45 ports 10/100 Mbps, degree of protection: IP20, PROFINET Conformance-Class B, PROFINET mode preset, PROFINET status LEDs

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Industrial Ethernet Switch - FL SWITCH 2214-2FX SM - 2702906



Managed Switch 2000, 14 RJ45 ports 10/100 Mbps, 2 SC single mode 100 Mbps, degree of protection: IP20, PROFINET Conformance-Class B

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Industrial Ethernet Switch - FL SWITCH 2214-2SFX PN - 1044030



Managed Switch 2000, 14 RJ45 ports 10/100 Mbps, 2 SFP ports 100 Mbps, degree of protection: IP20, PROFINET Conformance-Class B, PROFINET mode preset, PROFINET status LEDs

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Industrial Ethernet Switch - FL SWITCH 2308 - 2702652



Managed Switch 2000, 8 RJ45 ports 10/100/1000 Mbps, degree of protection: IP20, PROFINET Conformance-Class B

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Industrial Ethernet Switch - FL SWITCH 2306-2SFP - 2702970



Managed Switch 2000, 6 RJ45 ports 10/100/1000 Mbps, 2 SFP ports 100/1000 Mbps, degree of protection: IP20, PROFINET Conformance-Class B

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Industrial Ethernet Switch - FL SWITCH 2304-2GC-2SFP - 2702653



Managed Switch 2000, 4 RJ45 ports 10/100/1000 Mbps, 2 SFP ports 100/1000 Mbps, 2 Combo ports 10/100/1000 Mbps, degree of protection: IP20, PROFINET Conformance-Class B

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Industrial Ethernet Switch - FL SWITCH 3005 - 2891030



Managed Ethernet switch with five RJ45 ports at 10/100 Mbps and operating temperature of -10°C ... +60°C

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Industrial Ethernet Switch - FL SWITCH 3008 - 2891031



Managed Ethernet switch with eight RJ45 ports at 10/100 Mbps and operating temperature of -10°C ... +60°C

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Industrial Ethernet Switch - FL SWITCH 3016 - 2891058



Managed Ethernet switch with 16 RJ45 ports at 10/100 Mbps and operating temperature of -10°C ... +60°C

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Industrial Ethernet Switch - FL SWITCH 3016E - 2891066



Managed Ethernet switch meets IEC 61850-3 and IEEE 1613 standards. Provides 16 RJ45 ports at 10/100 Mbps and operating temperature of -40°C ... +70°C.

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Industrial Ethernet Switch - FL SWITCH 3006T-2FX - 2891036



Managed Ethernet switch with six RJ45 ports at 10/100 Mbps, two SC format fiber optic ports and an operating temperature of -40°C ... +75°C

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Industrial Ethernet Switch - FL SWITCH 3006T-2FX SM - 2891060



Managed Ethernet switch with six RJ45 ports at 10/100 Mbps, two SC format fiber optic ports and an operating temperature of -40°C ... +75°C

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Industrial Ethernet Switch - FL SWITCH 3012E-2FX SM - 2891119



Managed Ethernet switch meets IEC 61850-3 and IEEE 1613 standards. Provides 12 RJ45 ports at 10/100 Mbps, two SC-D SM fiber optic ports and operating temperature of -40°C ... +70°C.

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Industrial Ethernet Switch - FL SWITCH 4008T-2SFP - 2891062



Managed Ethernet switch with eight RJ45 ports at 10/100 Mbps and two SFP ports at 1000 Mbps. Wide operating temperature of -40°C ... +75°C.

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Industrial Ethernet Switch - FL SWITCH 2214-2FX - 2702905



Managed Switch 2000, 14 RJ45 ports 10/100 Mbps, 2 SC multi-mode 100 Mbps, degree of protection: IP20, PROFINET Conformance-Class B

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Industrial Ethernet Switch - FL SWITCH 2214-2SFX - 1006188



Managed Switch 2000, 14 RJ45 ports 10/100 Mbps, 2 SFP ports 100 Mbps, degree of protection: IP20, PROFINET Conformance-Class B

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Industrial Ethernet Switch - FL SWITCH 2212-2TC-2SFX - 2702907



Managed Switch 2000, 12 RJ45 ports 10/100 Mbps, 2 SFP ports 100 Mbps, 2 Combo ports 10/100 Mbps, degree of protection: IP20, PROFINET Conformance-Class B

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Industrial Ethernet Switch - FL SWITCH 2308 PN - 1009220



Managed Switch 2000, 8 RJ45 ports 10/100/1000 Mbps, degree of protection: IP20, PROFINET Conformance-Class B, PROFINET mode preset, PROFINET status LEDs

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Industrial Ethernet Switch - FL SWITCH 2306-2SFP PN - 1009222



Managed Switch 2000, 6 RJ45 ports 10/100/1000 Mbps, 2 SFP ports 100/1000 Mbps, degree of protection: IP20, PROFINET Conformance-Class B, PROFINET mode preset, PROFINET status LEDs

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Industrial Ethernet Switch - FL SWITCH 2316 - 2702909



Managed Switch 2000, 16 RJ45 ports 10/100/1000 Mbps, degree of protection: IP20, PROFINET Conformance-Class B

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Industrial Ethernet Switch - FL SWITCH 3005T - 2891032



Managed Ethernet switch with five RJ45 ports at 10/100 Mbps and operating temperature of -40°C ... +75°C

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Industrial Ethernet Switch - FL SWITCH 3008T - 2891035



Managed Ethernet switch with eight RJ45 ports at 10/100 Mbps and operating temperature of -40°C ... +75°C

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Industrial Ethernet Switch - FL SWITCH 3016T - 2891059



Managed Ethernet switch with 16 RJ45 ports at 10/100 Mbps and operating temperature of -40°C ... +75°C

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Industrial Ethernet Switch - FL SWITCH 3004T-FX - 2891033



Managed Ethernet switch with four RJ45 ports at 10/100 Mbps, one SC format fiber optic port and operating temperature of -40°C ... +75°C

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Industrial Ethernet Switch - FL SWITCH 3006T-2FX ST - 2891037



Managed Ethernet switch with six RJ45 ports at 10/100 Mbps, two ST format fiber optic ports and an operating temperature of -40°C ... +75°C

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Industrial Ethernet Switch - FL SWITCH 3012E-2SFX - 2891067



Managed Ethernet switch meets IEC 61850-3 and IEEE 1613 standards. Provides 12 RJ45 ports at 10/100 Mbps and two SFP slots at 100 Mbps) with an operating temperature of -40°C ... +70°C.

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Industrial Ethernet Switch - FL SWITCH 3012E-2FX - 2891120



Managed Ethernet switch meets IEC 61850-3 and IEEE 1613 standards. Provides 12 RJ45 ports at 10/100 Mbps, two SC-D MM fiber optic ports and operating temperature of -40°C ... +70°C.

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Industrial Ethernet Switch - FL SWITCH 4012T-2GT-2FX - 2891063



Managed Ethernet switch with 12 RJ45 ports at 10/100 Mbps, two RJ45 ports at 10/100/1000 Mbps and two SC-D fiber optic ports at 100 Mbps. Wide operating temperature of -40°C ... +75°C.

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Industrial Ethernet Switch - FL SWITCH 4000T-8POE-2SFP - 1026923



Managed PoE+ Ethernet switch conforms to IEEE 802.3at. Includes eight 10/100 PoE+ ports with 60 W capability, two 100/1000 Mbps SFP ports, and a total PoE system budget of 180 W.

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Industrial Ethernet Switch - FL SWITCH 4808E-16FX LC-4GC - 2891073



Rack-mount managed Ethernet switch meets IEC 61850-3 and IEEE 1613. Provides eight RJ45 ports at 10/100 Mbps, 16 LC MM fiber ports at 100 Mbps and four gigabit combo ports (10/100/1000 Mbps RJ45 connection; 1000 Mbps fiber optic connection requires 1000 Mbps SFP module).

Industrial Ethernet Switch - FL SWITCH 4824E-4GC - 2891072



Rack-mount managed Ethernet switch meets IEC 61850-3 and IEEE 1613. Provides 24 RJ45 ports at 10/100 Mbps and four gigabit combo ports (10/100/1000 Mbps RJ45 connection; 1000 Mbps fiber optic connection requires 1000 Mbps SFP module).

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Industrial Ethernet Switch - FL SWITCH 4808E-16FX SM LC-4GC - 2891074



Rack-mount managed Ethernet switch meets IEC 61850-3 and IEEE 1613. Provides eight RJ45 ports at 10/100 Mbps, 16 LC SM fiber ports at 100 Mbps and four gigabit combo ports (10/100/1000 Mbps RJ45 connection; 1000 Mbps fiber optic connection requires 1000 Mbps SFP module).

Power module - FL SWITCH 4800E-P1 - 2891075



Modular power supply for FL SWITCH 48... managed switches. Wide input voltage range 36 V DC to 75 V DC.

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Industrial Ethernet Switch - FL SWITCH IRT TX 3POF - 2700692



Ethernet Switch, one port in RJ45 format and three ports in POF SC-RJ format for PROFINET RT/IRT, DIN rail mountable

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Industrial Ethernet Switch - FL SWITCH 7004-4GC-EIP - 2701553



Managed Switch 7000, 4 RJ45 ports 10/100 Mbps, 4 Combo ports 10/100/1000 Mbps, degree of protection: IP20, PROFINET Conformance-Class A, EtherNet/IP™

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Industrial Ethernet Switch - FL SWITCH 7008-EIP - 2701418



Managed Switch 7000, 8 RJ45 ports 10/100 Mbps, degree of protection: IP20, PROFINET Conformance-Class A, EtherNet/IP™

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Industrial Ethernet Switch - FL SWITCH GHS 12G/8 - 2989200



Ethernet Gigabit Modular Switch with eight 10/100/1000 Mbps RJ45 ports and four 1000 Mbps SFP ports, can be extended by an extension station to up to 28 ports

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Industrial Ethernet Switch - FL SWITCH 2708 PN - 1106610



Managed Switch 2000, 8 M12 ports 10/100/1000 Mbps, degree of protection: IP65/IP66/IP67, PROFINET Conformance-Class B

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Industrial Ethernet Switch - FL SWITCH 2608 PN - 1106616



Managed Switch 2000, 8 M12 ports 10/100 Mbps, degree of protection: IP65/IP66/IP67, PROFINET Conformance-Class B

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Industrial Ethernet Switch - FL SWITCH 2312-2GC-2SFP - 2702910



Managed Switch 2000, 12 RJ45 ports 10/100/1000 Mbps, 2 SFP ports 100/1000 Mbps, 2 Combo ports 10/100/1000 Mbps, degree of protection: IP20, PROFINET Conformance-Class B

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Industrial Ethernet Switch - FL SWITCH 2316 PN - 1031673



Managed Switch 2000, 16 RJ45 ports 10/100/1000 Mbps, degree of protection: IP20, PROFINET Conformance-Class B, PROFINET mode preset, PROFINET status LEDs

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Industrial Ethernet Switch - FL SWITCH 4000T-4POE-SFP - 1026924



Managed PoE+ Ethernet switch conforms to IEEE 802.3at. Includes four 10/100 PoE+ ports with 60 W capability, one 100/1000 Mbps SFP port, and a total PoE system budget of 180 W.

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Industrial Ethernet Switch - FL SWITCH 4808E-16FX SM-4GC - 2891080



Rack-mount managed Ethernet switch meets IEC 61850-3 and IEEE 1613. Provides eight RJ45 ports at 10/100 Mbps, 16 SC-D SM fiber ports at 100 Mbps and four gigabit combo ports (10/100/1000 Mbps RJ45 connection; 1000 Mbps fiber optic connection requires 1000 Mbps SFP module).

Industrial Ethernet Switch - FL SWITCH 4808E-16FX-4GC - 2891079



Rack-mount managed Ethernet switch meets IEC 61850-3 and IEEE 1613. Provides eight RJ45 ports at 10/100 Mbps, 16 SC-D MM fiber ports at 100 Mbps and four gigabit combo ports (10/100/1000 Mbps RJ45 connection; 1000 Mbps fiber optic connection requires 1000 Mbps SFP module).

Industrial Ethernet Switch - FL SWITCH 4800E-24FX-4GC - 2891102



Rack-mount managed Ethernet switch meets IEC 61850-3 and IEEE 1613. It provides 24 SC-D MM fiber ports at 100 Mbps and four gigabit combo ports (10/100/1000 Mbps RJ45 connection; 1000 Mbps fiber optic connection requires 1000 Mbps SFP module).

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Power module - FL SWITCH 4800E-P5 - 2891076



Modular power supply for FL SWITCH 48... managed switches. Wide input voltage range 90 V AC to 264 V AC and 88 V DC to 300 V DC.

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Industrial Ethernet Switch - FL SWITCH 7006-2GC-EIP - 2701554



Managed Switch 7000, 6 RJ45 ports 10/100 Mbps, 2 Combo ports 10/100/1000 Mbps, degree of protection: IP20, PROFINET Conformance-Class A, EtherNet/IP™

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Industrial Ethernet Switch - FL SWITCH 7006/2FX-EIP - 2701419



Managed Switch 7000, 6 RJ45 ports 10/100 Mbps, 2 SC multi-mode 100 Mbps, degree of protection: IP20, PROFINET Conformance-Class A, EtherNet/IP™

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Industrial Ethernet Switch - FL SWITCH GHS 4G/12 - 2700271



Ethernet Gigabit Modular Switch with four 1000 Mbps combo ports and four 10/100 Mbps RJ45 slots, can be extended by an extension station to up to 24 ports

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Industrial Ethernet Switch - FL SWITCH 2608 - 1106500



Managed Switch 2000, 8 M12 ports 10/100 Mbps, degree of protection: IP65/IP66/IP67, PROFINET Conformance-Class B

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Industrial Ethernet Switch - FL SWITCH 2708 - 1106615



Managed Switch 2000, 8 M12 ports 10/100/1000 Mbps, degree of protection: IP65/IP66/IP67, PROFINET Conformance-Class B

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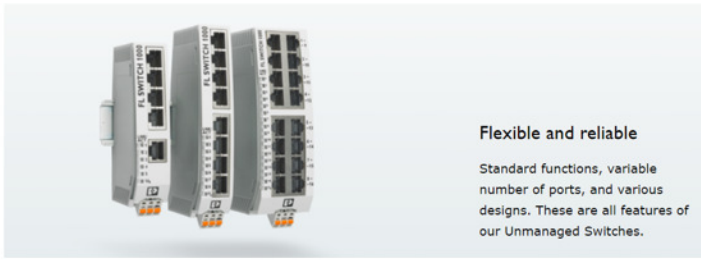
Industrial Ethernet Switch - FL SWITCH 2314-2SFP - 1006191



Managed Switch 2000, 14 RJ45 ports 10/100/1000 Mbps, 2 SFP ports 100/1000 Mbps, degree of protection: IP20, PROFINET Conformance-Class B

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