

Switch - FL SWITCH GHS 8GT/8 - 2989200

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



Gigabit Modular Switch with 12 integrated Gigabit ports, modules can be added to extend to up to 28 Ethernet ports

Product description

The Gigabit Modular Switch is a high-performance managed switch, which covers the port requirements of industrial applications in a modular and flexible way. It also supports all popular Gigabit and Fast Ethernet transmission standards, IT standard protocols, and the PROFINET and Ethernet/IP automation protocols.

For use in the production backbone, the FL SWITCH GHS 12G/8 is the first switch with 12 integrated Gigabit ports and which also allows interface modules for up to 16 more 100 Mbps ports to be fitted.

Product Features

- Connection of connection media that can be assembled in the field, such as POF, HCS, and GI HCS
- Quick and easy local configuration options with the new operator/display interface
- Security in the automation network according to IEEE 802.1X
- Connection of Gigabit fiberglass via FL SFP plug-in modules
- Optional Layer 3 functions (static routing) can be activated



Key commercial data

| | |
|------------------------|--------------------|
| Packing unit | 0 |
| Minimum order quantity | 1 |
| Catalog page | Page 101 (AX-2011) |
| GTIN | 4 046356 435376 |
| Custom tariff number | 85176200 |
| Country of origin | GERMANY |

Technical data

Note:

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Technical data

Note:

| | |
|-------------------------|---|
| Utilization restriction | EMC: class A product, see manufacturer's declaration in the download area |
|-------------------------|---|

SFP interface

| | |
|----------------------|---------------------------|
| Interface | Ethernet (SFP) |
| No. of ports | 4 (SFP ports) |
| Transmission speed | 1000 MBit/s (full duplex) |
| Transmission physics | FO |

Copper interface

| | |
|---------------------------|-----------------------------------|
| Interface | Ethernet (RJ45) |
| No. of ports | 8 |
| Transmission speed | 10/100/1000 MBit/s |
| Connection method | RJ45 |
| Note on connection method | Auto negotiation and autocrossing |
| Transmission physics | Copper |

Interface expansion

| | |
|---------------------------|--|
| Interface | Ethernet |
| No. of ports | 2 (Per interface module) |
| Connection method | via interface module |
| Note on connection method | Max. 4 interface modules (without extension) |
| Transmission speed | 10/100 MBit/s (full duplex) |
| Transmission physics | Multimode fiberglass |
| Transmission physics | Single mode fiberglass |
| Transmission physics | POF-SCRJ |
| Transmission physics | GI-HCS fibers |
| Transmission physics | Copper |
| Transmission physics | PoE |

Function

| | |
|----------------------------------|--|
| Basic functions | Store-and-forward switch, smart mode, port mirroring, multicast filtering, IGMP snooping, VLAN, Media Redundancy Protocol (MRP according to IEC 62439), Rapid Spanning Tree (RSTP), Fast Ring Detection (FRD), Large Tree Support, IEEE 802.1X security, port security, PROFINET IO device, GMRP, GVRP, SNTP, 2 digital inputs |
| Management | Integrated management agent, SNMP protocol (private MIB, MIB-2, RMON MIB, Bridge MIB), integrated Web server function, CLI, serial access |
| Supported browsers | Internet Explorer 5.5 or higher |
| Redundancy | Spanning Tree 802.1d, Rapid Spanning Tree 802.1w, Fast Ring Detection, Media Redundancy Protocol (MRP) as per IEC 62439 |
| Status and diagnostic indicators | Large operator display (contains IP address and other parameters), 2 status LEDs per Ethernet port: LINK and selection of Status Activity, 100, full duplex, supply voltage U _{S1} and U _{S2} (redundant supply voltage), and FAIL |

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Network expansion parameters

| | |
|--|--|
| Cascading depth | Network, linear, and star structure: any |
| Maximum conductor length ((twisted pair) | 100 m |

Supply voltage

| | |
|-----------------------------|--|
| Supply voltage | 24 V DC |
| Residual ripple | 3.6 V _{PP} (within the permitted voltage range) |
| Supply voltage range | 18.5 V DC ... 30.2 V DC |
| Typical current consumption | 800 mA (Up to 2.7 A, depends on the configuration) |
| Max. current consumption | 2.7 A |

Mechanical tests

| | |
|--------------|--|
| Type of test | Shock test in acc. with IEC 60068-2-27 |
| Test result | Operation: 25 g, 11 ms duration, semi-sinusoidal shock impulse |
| Type of test | Shock test in acc. with IEC 60068-2-27 |
| Test result | Storage/Transport: 50 g, 11 ms duration, semi-sinusoidal shock impulse |
| Type of test | Vibration resistance in acc. with IEC 60068-2-6 |
| Test result | Operation/Storage/Transport: 5 g, 150 Hz, Criterion 3 |
| Type of test | Free fall in acc. with IEC 60068-2-32 |
| Test result | 1 m |

Conformity with EMC directives

| | |
|---------------|--|
| Test standard | IEC 61000-4-2 (ESD) |
| Test result | Criterion B |
| Test standard | IEC 61000-4-3 (immunity to radiated interference) |
| Test result | Criterion A |
| Test standard | IEC 61000-4-4 (burst) |
| Test result | Criterion A |
| Test standard | IEC 61000-4-5 (surge) |
| Test result | Criterion B |
| Test standard | IEC 61000-4-6 (immunity to conducted interference) |
| Test result | Criterion A |
| Test standard | EN 55022 (emitted interference) |
| Test result | Class A |

General data

| | |
|---------------------------------|------------------------------------|
| Width | 287 mm |
| Height | 125 mm |
| Depth | 115 mm |
| Mounting type | DIN rail |
| Type AX | Stand-alone |
| Weight | 2700 g |
| Degree of protection | IP20 |
| Ambient temperature (operation) | -20 °C ... 55 °C (no condensation) |

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Technical data

General data

| | |
|--|---|
| Ambient temperature (storage/transport) | -20 °C ... 70 °C |
| Permissible humidity (operation) | 10 % ... 95 % (no condensation) |
| Permissible humidity (storage/transport) | 10 % ... 95 % (no condensation) |
| Air pressure (operation) | 80 kPa ... 108 kPa (2000 above sea level) |
| Air pressure (storage/transport) | 66 kPa ... 108 kPa (3500 m above sea level) |
| Material base plate | Die-cast aluminum, corrosion-resistant |
| Noise emission | EN 61000-6-3/-4 |
| Noise immunity | EN 61000-6-2:2005 |

Classifications

ETIM

| | |
|----------|----------|
| ETIM 3.0 | EC000734 |
| ETIM 4.0 | EC000734 |
| ETIM 5.0 | EC000734 |

UNSPSC

| | |
|---------------|----------|
| UNSPSC 11 | 43172015 |
| UNSPSC 12.01 | 43201410 |
| UNSPSC 13.2 | 43201410 |
| UNSPSC 6.01 | 43172015 |
| UNSPSC 7.0901 | 43201404 |

eCl@ss

| | |
|------------|----------|
| eCl@ss 4.0 | 24010504 |
| eCl@ss 4.1 | 24010504 |
| eCl@ss 5.0 | 19030117 |
| eCl@ss 5.1 | 19030117 |
| eCl@ss 6.0 | 19170106 |
| eCl@ss 7.0 | 19170106 |

Approvals

Approvals

Approvals

UL Listed / cUL Listed / UL Listed / cUL Listed / PROFInergy / PROFInergy / PROFINET / PROFINET / cULus Listed

Ex Approvals

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Approvals

Approvals submitted

Approval details

UL Listed

cUL Listed

UL Listed

cUL Listed

PROFenergy

PROFenergy

PROFINET

PROFINET

cULus Listed

Accessories

Accessories

Cable/conductor

FO patch cable - FL MM PATCH 1,0 LC-LC - 2989158



Assembled fiber optic cable, break-out cable, fiberglass multi-mode 50/125 µm, connector: LC/LC, degree of protection: IP20, for installation in cable ducts or control cabinets, length: 1 m

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Accessories

FO patch cable - FL MM PATCH 2,0 LC-LC - 2989255



Assembled fiber optic cable, break-out cable, fiberglass multi-mode 50/125 μm , connector: LC/LC, degree of protection: IP20, for installation in cable ducts or control cabinets, length: 2 m

FO patch cable - FL MM PATCH 5,0 LC-LC - 2901799



Assembled FO cable, break out cable, multi-mode fiberglass 50/125 μm , plug: LC / LC, protection type: IP20, for installation in cable ducts or control cabinets, length: 5 m

FO patch cable - FL MM PATCH 1,0 LC-SC - 2989161



Assembled fiber optic cable, break-out cable, fiberglass multi-mode 50/125 μm , connector: LC/SC duplex, degree of protection: IP20, for installation in cable ducts or control cabinets, length: 1 m

FO patch cable - FL MM PATCH 2,0 LC-SC - 2989268



Assembled fiber optic cable, break-out cable, fiberglass multi-mode 50/125 μm , connector: LC/SC duplex, degree of protection: IP20, for installation in cable ducts or control cabinets, length: 2 m

FO patch cable - FL MM PATCH 2,0 LC-SC - 2989268



Assembled fiber optic cable, break-out cable, fiberglass multi-mode 50/125 μm , connector: LC/SC duplex, degree of protection: IP20, for installation in cable ducts or control cabinets, length: 2 m

Switch - FL SWITCH GHS 8GT/8 - 2989200

Accessories

FO patch cable - FL MM PATCH 1,0 LC-ST - 2989174



Assembled fiber optic cable, break-out cable, fiberglass multi-mode 50/125 μm , connector: LC/B-FOC (ST), degree of protection: IP20, for installation in cable ducts or control cabinets, length: 1 m

FO patch cable - FL MM PATCH 2,0 LC-ST - 2989271



Assembled fiber optic cable, break-out cable, fiberglass multi-mode 50/125 μm , connector: LC/B-FOC (ST), degree of protection: IP20, for installation in cable ducts or control cabinets, length: 2 m

FO patch cable - FL MM PATCH 5,0 LC-ST - 2901801



Assembled FO cable, break out cable, multi-mode fiberglass 50/125 μm , plug: LC / B-FOC (ST), protection type: IP20, for installation in cable ducts or control cabinets, length: 5 m

FO patch cable - FL MM PATCH 1,0 LC-SCRJ - 2901802



Assembled FO cable, break out cable, multi-mode fiberglass 50/125 μm , plug: LC / SCRJ, protection type: IP20, for installation in cable ducts or control cabinets, length: 1 m

FO patch cable - FL MM PATCH 2,0 LC-SCRJ - 2901803



Assembled FO cable, break out cable, multi-mode fiberglass 50/125 μm , plug: LC / SCRJ, protection type: IP20, for installation in cable ducts or control cabinets, length: 2 m

FO patch cable - FL MM PATCH 5,0 LC-SCRJ - 2901804



Assembled FO cable, break out cable, fiberglass multi-mode 50/125 μm , plug: LC / SCRJ protection type: IP20, for installation in cable ducts or control cabinets, length: 5 m

Switch - FL SWITCH GHS 8GT/8 - 2989200

Accessories

FO patch cable - FL MM PATCH 1,0 SC-SC - 2901805



Assembled FO cable, break out cable, multi-mode fiberglass 50/125 μm , connector: SC Duplex / SC-Duplex, protection type: IP20, for installation in cable ducts or control cabinets, length: 1 m

FO patch cable - FL MM PATCH 1,0 SC-SC - 2901805



Assembled FO cable, break out cable, multi-mode fiberglass 50/125 μm , connector: SC Duplex / SC-Duplex, protection type: IP20, for installation in cable ducts or control cabinets, length: 1 m

FO patch cable - FL MM PATCH 5,0 SC-SC - 2901808



Assembled FO cable, break out cable, multi-mode fiberglass 50/125 μm , connector: SC Duplex / SC-Duplex, protection type: IP20, for installation in cable ducts or control cabinets, length: 5 m

FO patch cable - FL MM PATCH 1,0 SC-ST - 2901809



Assembled FO cable, break out cable, multi-mode fiberglass 50/125 μm , connector: SC Duplex / B-FOC, protection type: IP20, for installation in cable ducts or control cabinets, length: 1 m

FO patch cable - FL MM PATCH 2,0 SC-ST - 2901810



Assembled FO cable, break out cable, multi-mode fiberglass 50/125 μm , connector: SC Duplex / B-FOC (ST), protection type: IP20, for installation in cable ducts or control cabinets, length: 2 m

Switch - FL SWITCH GHS 8GT/8 - 2989200

Accessories

FO patch cable - FL MM PATCH 5,0 SC-ST - 2901811



Assembled FO cable, break out cable, multi-mode fiberglass 50/125 μm , connector: SC Duplex / B-FOC (ST), protection type: IP20, for installation in cable ducts or control cabinets, length: 5 m

FO patch cable - FL MM PATCH 1,0 SC-SCRJ - 2901812



Assembled FO cable, break out cable, multi-mode fiberglass 50/125 μm , connector: SC Duplex / B-FOC (ST), protection type: IP20, for installation in cable ducts or control cabinets, length: 1 m

FO patch cable - FL MM PATCH 2,0 SC-SCRJ - 2901813



Assembled FO cable, break out cable, multi-mode fiberglass 50/125 μm , connector: SC Duplex / SCRJ, protection type: IP20, for installation in cable ducts or control cabinets, length: 2 m[^]

FO patch cable - FL MM PATCH 2,0 SC-SCRJ - 2901813



Assembled FO cable, break out cable, multi-mode fiberglass 50/125 μm , connector: SC Duplex / SCRJ, protection type: IP20, for installation in cable ducts or control cabinets, length: 2 m[^]

FO patch cable - FL MM PATCH 1,0 ST-ST - 2901815



Assembled FO cable, break out cable, multi-mode fiberglass 50/125 μm , connector: B-FOC (ST) / B-FOC (ST), protection type: IP20, for installation in cable ducts or control cabinets, length: 1 m

FO patch cable - FL MM PATCH 2,0 ST-ST - 2901816



Assembled FO cable, break out cable, multi-mode fiberglass 50/125 μm , connector: B-FOC (ST) / B-FOC (ST), protection type: IP20, for installation in cable ducts or control cabinets, length: 2 m

Switch - FL SWITCH GHS 8GT/8 - 2989200

Accessories

FO patch cable - FL MM PATCH 5,0 ST-ST - 2901817



Assembled FO cable, break out cable, multi-mode fiberglass 50/125 μm , connector: B-FOC (ST) / B-FOC (ST), protection type: IP20, for installation in cable ducts or control cabinets, length: 5 m

FO patch cable - FL MM PATCH 1,0 ST-SCRJ - 2901820



Assembled FO cable, break out cable, multi-mode fiberglass 50/125 μm , connector: SC Duplex / SCRJ, protection type: IP20, for installation in cable ducts or control cabinets, length: 1 m

FO patch cable - FL MM PATCH 2,0 ST-SCRJ - 2901821



Assembled FO cable, break out cable, multi-mode fiberglass 50/125 μm , connector: B-FOC (ST) / SCRJ, protection type: IP20, for installation in cable ducts or control cabinets, length: 2 m

FO patch cable - FL MM PATCH 5,0 ST-SCRJ - 2901822



Assembled FO cable, break out cable, multi-mode fiberglass 50/125 μm , connector: B-FOC (ST) / SCRJ, protection type: IP20, for installation in cable ducts or control cabinets, length: 5 m

FO patch cable - FL SM PATCH 1,0 LC-LC - 2989187



Assembled fiber optic cable, break-out cable, fiberglass single mode 9/125 μm , connector: LC/LC, degree of protection: IP20, for installation in cable ducts or control cabinets, length: 1 m

Switch - FL SWITCH GHS 8GT/8 - 2989200

Accessories

FO patch cable - FL SM PATCH 2,0 LC-LC - 2989284



Assembled fiber optic cable, break-out cable, fiberglass single mode 9/125 μm , connector: LC/LC, degree of protection: IP20, for installation in cable ducts or control cabinets, length: 2 m

FO patch cable - FL SM PATCH 5,0 LC-LC - 2901826



Assembled FO cable, break out cable, single-mode fiberglass 9/125 μm , connector: LC / LC, protection type: IP20, for installation in cable ducts or control cabinets, length: 5 m

FO patch cable - FL SM PATCH 1,0 LC-SC - 2989190



Assembled fiber optic cable, break-out cable, fiberglass single mode 9/125 μm , connector: LC/SC duplex, degree of protection: IP20, for installation in cable ducts or control cabinets, length: 1 m

FO patch cable - FL SM PATCH 2,0 LC-SC - 2989297



Assembled fiber optic cable, break-out cable, fiberglass single mode 9/125 μm , connector: LC/SC duplex, degree of protection: IP20, for installation in cable ducts or control cabinets, length: 2 m

FO patch cable - FL SM PATCH 5,0 LC-SC - 2901827



Assembled FO cable, break out cable, single-mode fiberglass 9/125 μm , connector: LC / SC Duplex, protection type: IP20, for installation in cable ducts or control cabinets, length: 5 m

FO patch cable - FL SM PATCH 1,0 LC-ST - 2989242



Assembled fiber optic cable, break-out cable, fiberglass single mode 9/125 μm , connector: LC/B-FOC (ST), degree of protection: IP20, for installation in cable ducts or control cabinets, length: 1 m

Switch - FL SWITCH GHS 8GT/8 - 2989200

Accessories

FO patch cable - FL SM PATCH 2,0 LC-ST - 2989349



Assembled fiber optic cable, break-out cable, fiberglass single mode 9/125 μm , connector: LC/B-FOC (ST), degree of protection: IP20, for installation in cable ducts or control cabinets, length: 2 m

FO patch cable - FL SM PATCH 5,0 LC-ST - 2901828



Assembled FO cable, break out cable, single-mode fiberglass 9/125 μm , connector: LC / B-FOC (ST), protection type: IP20, for installation in cable ducts or control cabinets, length: 5 m

FO patch cable - FL SM PATCH 1,0 SC-SC - 2901829



Assembled FO cable, break out cable, single-mode fiberglass 9/125 μm , connector: SC Duplex / SC-Duplex, protection type: IP20, for installation in cable ducts or control cabinets, length: 1 m

FO patch cable - FL SM PATCH 2,0 SC-SC - 2901830



Assembled FO cable, break out cable, single-mode fiberglass 9/125 μm , connector: SC Duplex / SC-Duplex, protection type: IP20, for installation in cable ducts or control cabinets, length: 2 m

FO patch cable - FL SM PATCH 5,0 SC-SC - 2901831



Assembled FO cable, break out cable, single-mode fiberglass 9/125 μm , connector: SC Duplex / SC-Duplex protection type: IP20, for installation in cable ducts or control cabinets, length: 5 m

Switch - FL SWITCH GHS 8GT/8 - 2989200

Accessories

FO patch cable - FL SM PATCH 1,0 SC-ST - 2901832



Assembled FO cable, break out cable, single-mode fiberglass 9/125 µm, connector: SC Duplex / B-FOC (ST), protection type: IP20, for installation in cable ducts or control cabinets, length: 1 m

FO patch cable - FL SM PATCH 2,0 SC-ST - 2901833



Assembled FO cable, break out cable, single-mode fiberglass 9/125 µm, connector: SC Duplex / B-FOC (ST), protection type: IP20, for installation in cable ducts or control cabinets, length: 2 m

FO patch cable - FL SM PATCH 5,0 SC-ST - 2901834



Assembled FO cable, break out cable, single-mode fiberglass 9/125 µm, connector: SC Duplex / B-FOC (ST), protection type: IP20, for installation in cable ducts or control cabinets, length: 5 m

FO patch cable - FL SM PATCH 1,0 ST-ST - 2901836



Assembled FO cable, break out cable, single-mode fiberglass 9/125 µm, connector: B-FOC (ST) / B-FOC (ST), protection type: IP20, for installation in cable ducts or control cabinets, length: 1 m

FO patch cable - FL SM PATCH 1,0 ST-ST - 2901836



Assembled FO cable, break out cable, single-mode fiberglass 9/125 µm, connector: B-FOC (ST) / B-FOC (ST), protection type: IP20, for installation in cable ducts or control cabinets, length: 1 m

FO patch cable - FL SM PATCH 5,0 ST-ST - 2901838



Assembled FO cable, break out cable, single-mode fiberglass 9/125 µm, connector: B-FOC (ST) / B-FOC (ST), protection type: IP20, for installation in cable ducts or control cabinets, length: 5 m

Switch - FL SWITCH GHS 8GT/8 - 2989200

Accessories

FO cable - PSM-LWL-GDM-RUGGED- 50/125 - 2799322



Fiberglass cable, duplex 50/125 μm , by the meter, without connector, for indoor installation

FO cable - PSM-LWL-GDO- 50/125 - 2799432



Fiberglass cable, duplex 50/125 μm , by the meter, without connector, for outdoor installation

FO cable - PSM-LWL/GDM-RUGGED - 2744911



Fiberglass cable, duplex 50/125 μm , by the meter, with connector, for indoor installation

FO cable - PSM-LWL/GDO - 2744924



Fiberglass cable, duplex 50/125 μm , by the meter, with connector, for outdoor installation

FO patch cable - FOC-GDM-RUGGED-1016/IP20/... - 2901558



rugged GOF installation cable (IP20 heads only) for inner areas with highly tear-proof aramid strain-relief elements. Individual elements consist of highly flexible FRNC material. The cable is halogen-free, ozone and UV resistant and has a rugged polyurethane (PUR) outer sheath.

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Accessories

FO patch cable - FOC-GDM-RUGGED-1016/... - 1402193



rugged GOF installation cable for inner areas with highly tear-proof aramid strain-relief elements. Individual elements consist of highly flexible FRNC material. The cable is halogen-free, ozone and UV resistant and has a rugged polyurethane (PUR) outer sheath.

FO patch cable - FOC-GDO-1017/IP20/... - 2901559



Highly rugged GOF round cable (IP20 heads only) for assembly and for outdoor installation with integrated moisture barrier as well as rodent-proof scrim. Individual elements made from highly flexible FRNC material. The wire is ozone and UV resistant with a very rugged polyethylene outer sheath.

FO patch cable - FOC-GDO-1017/... - 1402194



Highly rugged GOF round cable for assembly and for outdoor installation with integrated moisture barrier as well as rodent-proof scrim. Individual elements made from highly flexible FRNC material. The wire is ozone and UV resistant with a very rugged polyethylene outer sheath.

FO patch cable - FOC-PN-HCS-GI-1005/IP20/... - 2901554



PROFINET HCS-GI installation cable (IP20 heads only) for fixed installation in the inner area. Gradient index fiber. Individual elements made from highly flexible FRNC material. Halogen-free, ozone and UV resistant with a polyurethane (PUR) outer sheath.

FO patch cable - FOC-PN-HCS-GI-1005/... - 1402189



HCS-GI installation cable for assembly for fixed installation in the inner area, with gradient index fibers for the highest performance requirements, as well as individual elements made of highly flexible FRNC material. The cable is halogen-free, ozone and UV resistant and has a rugged polyurethane (PUR) outer sheath.

FO cable - FL FOC PN-C-HCS-GI-200/230 - 2313410



PROFINET HCS GI fiber cables, duplex 200/230 μm , increased bandwidth for Ethernet applications in particular. Robust PUR outer sheath. Heavy version suitable for drag chains and indoor installation, sold by the meter without plugs

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Accessories

FO cable - FL FOC PN-C-HCS-GI - 2313504



HCS GI cable for indoor installation, duplex, 200/230 µm, sold by the meter with connectors, particularly suitable for Ethernet applications due to the high bandwidth, rugged PUR outer cable sheath, 8 mm outside diameter, color: green

Memory

Program / configuration memory - FL SD FLASH/L3/MRM - 2700607



Parameterization memory, plug-in, with MRM and Layer 3 functionality

Program / configuration memory - FL SD FLASH/MRM - 2700270



Parameterization memory, plug-in, with MRM functionality

Memory - SD FLASH 256MB - 2988120



Program and configuration memory, plug-in, 256 MB

Extension module - FL FXT - 2989307



Expansion, 8 Ethernet ports

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Accessories

Media module - FL IF 2TX VS-RJ-F - 2832344



Interface module for connecting twisted pair cable, RJ45, connection direction forward

Media module - FL IF 2TX VS-RJ-D - 2832357



Interface module for connecting twisted pair cable, RJ45, connection direction downward

Media module - FL IF 2FX SC-F - 2832412



Fiber optic interface module for connecting 100 Base-FX multi-mode glass fibers (1300 nm), SC, connection direction forward

Media module - FL IF 2FX SC-D - 2832425



Fiber optic interface module for connecting 100 Base-FX multi-mode glass fibers (1300 nm), SC, connection direction downward

Media module - FL IF 2FX SM SC-D - 2832205



FO interface module for connecting 100 Base-FX single-mode glass fibers (1300 nm), SC, connection direction downward

Media module - FL IF 2FX ST-D - 2884033



Fiber optic interface module for connecting 100 Base-FX multi-mode glass fibers (1300 nm), ST, connection direction downward

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Accessories

Media module - FL IF 2POF SCRJ-D - 2891084



Fiber optic interface module for connecting 100 Base-FX POF/HCS fibers (650 nm), SCRJ, connection direction downward

Media module - FL SFP SX - 2891754



The small form-factor plug-in module is a plug-in fiber optic interface with a data transmission speed of 1000 Mbps, which is used in Gigabit Ethernet. Fiberglass module with a wavelength of 850 nm.

Media module - FL SFP LX - 2891767



The small form-factor plug-in module is a plug-in fiber optic interface with a data transmission speed of 1000 Mbps, which is used in Gigabit Ethernet. Fiberglass module with a wavelength of 1300 nm (long).

Media module - FL SFP LH - 2989912



The small form-factor plug-in module is a plug-in fiber optic interface with a data transmission speed of 1000 Mbps, which is used in Gigabit Ethernet. Fiberglass module with a wavelength of 1550 nm (long haul).
