



# **UBF EDV Handel und Beratung Jürgen Fischer GmbH**

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The product catalog is constantly being revised.

Not all of the products in our product range are listed in this catalog.

You can find further product information, comparison tables and price information in our

Online Shop ([www.ufb.de/shop](http://www.ufb.de/shop)).

If you cannot find the right article there, please send an inquiry.

Many special models are requested so rarely that we do not list them in the catalog or online shop.

**Please also note our configurators for pre-assembled cables.**

These allow individual cable assemblies to be calculated and ordered.

Configurators are available for:

Fiber optic patch cables,

Fiber optic breakout cables,

Fiber optic loose tube cables (outdoor cables and indoor/outdoor LSZH cables)

Copper cables (RJ-45) with PVC or PUR jacket

# Industrial Fast Ethernet

## 5-port / 8-port Industrial Fast Ethernet switch -40..+75°C



Fast Ethernet industrial switch, 5x or 8x 10/100Base-TX RJ-45 ports, auto MDI/MDI-X, IP30, rugged metal case dimensions 30x142x99mm (WxHxD), redundant power, polarity reverse protection, overload current protection (resetable fuse), operating voltage 12..48V DC / 24V AC, removable terminal block, extended temperature range -40..+75°C, wall mounting and 35mm DIN rail mountable (both included in scope of delivery).

### Versions of this model group:

[095901002](#) Industrial switch 5x 10/100Mbit RJ45 -40..+75°C

[095901804](#) Industrial switch 8x 10/100Mbit RJ45 -40..+75°C

### Accessories

[11522024R](#) Power supply DIN rail 85..264V AC -> 24V DC 1.0A 24W -20..70°C

[11524024R](#) Power supply DIN rail 85..264V AC -> 24V DC 1.7A 40W -20..70°C

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## Industrial Fast Ethernet switch 5 ports 1x fiber optic uplink



Fast Ethernet industrial switch with 5 Fast Ethernet ports for point to point connections or for constructing a Fast Ethernet bus-line. RJ-45 100Base-TX ports with 10/100MBit/s, 1x Fast Ethernet 100Base-FX multimode port for SC connector, IP30, metal case dimensions 25x130x95mm (WxHxD), redundant power, polarity reverse protection, operating voltage 12..48V DC removable terminal block, DIN rail mountable / wall mountable (both included in scope of delivery).

### Versions of this model group:

[095970211](#) Industrial switch 1x multimode SC 4x RJ45 -40..+75°C

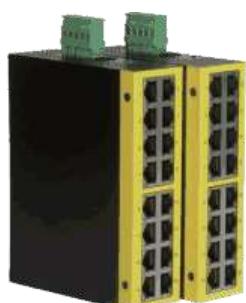
### Accessories

[11522024R](#) Power supply DIN rail 85..264V AC -> 24V DC 1.0A 24W -20..70°C

[11524024R](#) Power supply DIN rail 85..264V AC -> 24V DC 1.7A 40W -20..70°C

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## 16 port Industrial Fast Ethernet switch



16 port Fast Ethernet industrial switch with 16x 10/100Mbps 100Base-TX RJ-45 ports, packet size up to 2KB, DIN rail mountable or wall mounting, fanless metal case 140x106x40mm, error relay output, extended temperature range operating temperature -20..+70°C, Green Ethernet according to IEEE 802.3az (EEE). Operating voltage 4.5V..50V DC (max. 3.4W) or 110V DC (max. 5.2W) with polarity protection.

### Versions of this model group:

[09614065](#) 16 port Industrial Ethernet switch 4.5V..50V DC, -20..+70°C

### Accessories

[09612897](#) Wall mounting kit for industrial switches

[11522024R](#) Power supply DIN rail 85..264V AC -> 24V DC 1.0A 24W -20..70°C

[11524024R](#) Power supply DIN rail 85..264V AC -> 24V DC 1.7A 40W -20..70°C

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## Industrial Ethernet switch 8x M12 D IP65 + IP67 -40..+70°C



Industrial Fast Ethernet switch with 8x 10/100MBit/s 100Base-TX Fast Ethernet ports for M12 connector D coded. Operating temperature -40°C..+70°C, dimensions 163x195x60.5mm (WxDxH), protection class IP65 and IP67, operating voltage +6.5..60V DC at M23 connector, consumption: 11.5W, recessed mounting or wall mounting, inklusiver starter cable set.

### Versions of this model group:

[09614603](#) Fast Ethernet industrial switch 8x M12 IP65+IP67 -40..70°C

## 8 port managed Industrial Fast Ethernet switch 1/2x f/o PoE PD



Industrial Fast Ethernet switch with 8x 10/100MBit/s 100Base-TX FE ports with M12 D (IP67) connector, thereof 1/2x combo port(s) 100Base-FX f/o for LC connector, operating voltage 6.5V..60V DC at M23 (IP67) or PoE according to IEEE 802.3af at port 4, management via web, console (M12), SNMP, supports VLAN, QoS, LACP, port mirroring, Storm control, IEEE802.1x, STP, IGMP Snooping, protection class IP65 + IP67, fanless metal case, dimensions 163x195x60.5mm, recessed mounting or wall mounting, operating temperature -40°C..+70°C, inclusive starter-cable set.

### Versions of this model group:

- [09614604](#) 8 port IP67 industrial switch PoE PD 1x multimode LC 2km
- [09614686](#) 8 port IP67 industrial switch PoE PD 2x multimode LC 2km
- [09614606](#) 8 port IP67 industrial switch PoE PD 1x singlemode LC 30km
- [09614607](#) 8 port IP67 industrial switch PoE PD 2x singlemode LC 30km
- [09614608](#) 8 port IP67 industrial switch PoE PD 1x SM BiDi A LC 20km
- [09614634](#) 8 port IP67 industrial switch PoE PD 1x SM BiDi B LC 20km

## Industrial Fast Ethernet media converter



Fast Ethernet industry fiber optic converter with 1x 10/100MBit/s 100Base-TX RJ-45 port and 1x 100Base-FX fiber optic port for SC connector. Redundant power supply, polarity reverse protection, overload current protection, input voltage 12V..48V DC, operating temperature -40°C..+80°C, removable terminal block, consumption: 1.92W, 35mm DIN rail mountable and wall mountable both included in scope of delivery, metal case, dimensions WxHxD 26x95x75mm.

### Versions of this model group:

- [129620101](#) Industrial Ethernet media converter 100BaseTX 100BaseFX MM SC

### Accessories

- [11522024R](#) Power supply DIN rail 85..264V AC -> 24V DC 1.0A 24W - 20..70°C
- [11524024R](#) Power supply DIN rail 85..264V AC -> 24V DC 1.7A 40W - 20..70°C
- [063600001](#) 19" panel with DIN rail for network-distribution racks

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## Industrial 100Base-FX Fast Ethernet mini media converter



Fast Ethernet industrial fiber optic converter with 1x 10/100MBit/s 100Base-TX RJ-45 port and 1x 100Base-FX fiber optic port, optimized latency, fanless metal case, mounting: DIN rail or wall, 802.1Q VLAN transparent, operating voltage 4.5V..50V DC, optional 110V DC, dimensions: 34x48x56mm (WxDxH) (4.5V..50V DC) or 45.5x49x56mm (WxDxH) (110V DC), operating temperature: -20°C..+70°.

### Versions of this model group:

- [09614067](#) 100Base-FX industrial fiber optic converter multimode ST 2km
- [09614068](#) 100Base-FX industrial fiber optic converter multimode SC 2km
- [09614069](#) Fast Ethernet industrial f/o converter singlemode SC 20km
- [09614072](#) Fast Ethernet industrial f/o converter monomode BiDi A SC 15km
- [09614073](#) Fast Ethernet industrial f/o converter monomode BiDi B SC 15km
- [09614074](#) 100Base-FX industrial fiber optic converter MM SC 2km 110V DC
- [09614075](#) 100Base-FX industrial fiber optic converter SM SC 20km 110V DC
- [09614078](#) 100Base-FX industrial fiber optic converter MM ST 2km 110V DC
- [09614079](#) 100Base-FX industrial f/o converter SM BiDi A SC 15km 110V DC
- [09614080](#) 100Base-FX industrial f/o converter SM BiDi B SC 15km 110V DC

#### **Accessories**

[11522024R](#) Power supply DIN rail 85..264V AC -> 24V DC 1.0A 24W -20..70°C

[11524024R](#) Power supply DIN rail 85..264V AC -> 24V DC 1.7A 40W -20..70°C

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### **Industrial Fast Ethernet media converter 100Base-TX 100Base-FX**



Fast Ethernet industrial fiber optic converter with 1x 10/100MBit/s 100Base-TX RJ-45 port and 1x 100Base-FX multimode, singlemode (monomode) or singlemode BiDi (WDM / SingleFiber) fiber optic port for ST / BFOC or SC connector. 35mm DIN rail mountable, fanless metal case dimensions 28x82x95mm (WxDxH), operating voltage 7V..30V DC, operating temperature -20°C..+70°C, RH 5%..95% non condensing, FCC Class A, CE/EMC Class A, EN60950 safety.

#### **Versions of this model group:**

[09611432](#) Industrial f/o converter multimode SC 1310nm -20..+70°C

[09611430](#) Industrial f/o converter multimode ST / BFOC 1310nm -10..+70°C

[09611435](#) Industrial f/o converter monomode SC 20km 1310nm -20..+70°C

[09612585](#) Industrial f/o converter monomode SC 30km 1310nm -20..+70°C

[09613958](#) Industrial f/o converter monomode SC 60km 1310nm -20..+70°C

[09614662](#) Industrial f/o converter monomode SC 80km 1310nm -20..+70°C

[09614663](#) Industrial f/o converter monomode SC 100km 1550nm -20..+70°C

[09614664](#) Industrial f/o converter BiDi SC 20km TX:1310nm RX:1550nm

[09614665](#) Industrial f/o converter BiDi SC 20km TX:1550nm RX:1310nm

#### **Accessories**

[11522024R](#) Power supply DIN rail 85..264V AC -> 24V DC 1.0A 24W -20..70°C

[11524024R](#) Power supply DIN rail 85..264V AC -> 24V DC 1.7A 40W -20..70°C

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## **Industrial Gigabit Ethernet**

### **8 port Industrial Gigabit Ethernet switch**



Gigabit Ethernet industrial switch, 8x 1000Base-T 10/100/1000MBit/s RJ-45 ports, auto MDI/MDI-X, Jumbo frame support 9.6KB, IP30, rugged metal case dimensions WxHxD 30x142x95mm, redundant power, polarity reverse protection, overload current protection, operating voltage 12..48V DC, removable terminal block, consumption: 5W, operating temperature see selection box, wall mounting and 35mm DIN rail mountable (both included in scope of delivery).

#### **Versions of this model group:**

[095987200](#) Industrial switch GbE 8x 10/100/1000Mbit/s RJ45 -40°C..+75°C

#### **Accessories**

[11522024R](#) Power supply DIN rail 85..264V AC -> 24V DC 1.0A 24W -20..70°C

[11524024R](#) Power supply DIN rail 85..264V AC -> 24V DC 1.7A 40W -20..70°C

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## Industrial Gigabit Ethernet switch 5x RJ-45 2x SFP slot



7-port Industrial Gigabit Ethernet switch with 5x 10/100/1000MBit/s 1000Base-T RJ-45 ports and 2x 1000Base-X/100Base-FX SFP slot for a multimode 1000Base-SX GbE, singlemode (monomode) 1000Base-LX GbE or a 100Base-TX Fast Ethernet SFP module. Jumbo frame support, reverse polarity protection, overload current protection, input voltage 12..48V DC, operating temperature: -40..75°C, rugged metal case IP30, dimensions WxDxH 30x99x142mm, FCC, CE.

### Versions of this model group:

[122707023](#) Industrial switch GbE 5x RJ-45 2x 100/1000 SFP slot -40°C~+75°

### Accessories

[12233405](#) SFP 1000Base-SX multimode 850nm LC 550m -40..+85°C DDM

[12233402](#) SFP 1000Base-SX multimode 1310nm LC 2km -40..+85°C DDM

[12233420](#) SFP 1000Base-LX singlemode 1310nm LC 20km -40..+85°C DDM

[12233202](#) SFP 100Base-FX multimode 1310nm LC 2km -40..+85°C

[12233220](#) SFP 100Base-FX singlemode 1310nm LC 20km -40..+85°C

[11522024R](#) Power supply DIN rail 85..264V AC -> 24V DC 1.0A 24W -20..70°C

[11524024R](#) Power supply DIN rail 85..264V AC -> 24V DC 1.7A 40W -20..70°C

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## Industrial Gigabit Ethernet bridging fiber optic converter SFP



Industrial Ethernet bridging media converter with 1x 10/100/1000MBit/s 1000Base-T RJ-45 port and 1x 100/1000MBit dual speed SFP slot for a 1000Base-X Gigabit Ethernet or 100Base-FX Fast Ethernet SFP module. Rugged, compact metal case IP30, dimensions WxHxD 26x95x75mm, operating temperature see selection box, input voltage 12V .. 48V DC redundant, power consumption 1.8W, reverse polarity/overload current protection, DIN rail mountable and panel-/wall mounting, CE, FCC. Other SFPs available on request. Optional with corrosion protection (item 129610006).

### Versions of this model group:

[129610004](#) Industrial Gigabit Ethernet fiber optic converter -40°..+75°C

[129610006](#) Industrial Gigabit Ethernet f/o converter -40°..+75°C CP

### Accessories

[12233405](#) SFP 1000Base-SX multimode 850nm LC 550m -40..+85°C DDM

[12233402](#) SFP 1000Base-SX multimode 1310nm LC 2km -40..+85°C DDM

[12233420](#) SFP 1000Base-LX singlemode 1310nm LC 20km -40..+85°C DDM

[12233202](#) SFP 100Base-FX multimode 1310nm LC 2km -40..+85°C

[12233220](#) SFP 100Base-FX singlemode 1310nm LC 20km -40..+85°C

[11522024R](#) Power supply DIN rail 85..264V AC -> 24V DC 1.0A 24W -20..70°C

[11524024R](#) Power supply DIN rail 85..264V AC -> 24V DC 1.7A 40W -20..70°C

[063600001](#) 19" panel with DIN rail for network-distribution racks

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## Industrial Gigabit Ethernet media converter 1000Base-T / SFP



Gigabit Ethernet industrial media converter with 1x 1000Base-T RJ-45 port and 1x 1000Base-SX multimode or 1000Base-LX singlemode (Mononode) fiber optic port for LC connector incl. SFP module. DIN rail mountable, fanless metal case, dimensions 28x82x95mm (WxDxH), operating voltage 7V..30V DC, operating temperature -20°C..+70°C, RH 5%..95% non condensing, FCC Class B, CE/EMC Class B, EN60950 safety, alarm relay output, IEEE 802.3From, 802.3z, 802.3au, minimum latency for time critical applications (realtime).

### Versions of this model group:

[09612178](#) Industrial media converter 1000Base-SX LC 850nm 500m

[09612179](#) Industrial media converter 1000Base-LX LC 1310nm 10km

[09612180](#) Industrial media converter 1000Base-LX LC 1310nm 20km

[09613681](#) Industrial media converter 1000Base-LX LC 1310nm 30km

[09613289](#) Industrial media converter 1000Base-LX LC 1550nm 50km

[09613290](#) Industrial media converter 1000Base-LX LC 1550nm 70km

[09615038](#) Industrial media converter 1000Base-LX LC 1550nm 110km

### Accessories

[09614144](#) Wall mounting kit

[11522024R](#) Power supply DIN rail 85..264V AC -> 24V DC 1.0A 24W -20..70°C

[11524024R](#) Power supply DIN rail 85..264V AC -> 24V DC 1.7A 40W -20..70°C

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## Industrial media converter 10/100/1000MBit/s - 100/1000Base SFP



Industrial Ethernet media converter with 1x 10/100/1000MBit/s 1000Base-T RJ-45 port and 1x 100/1000MBit/s 1000Base-X / 100Base-TX dual speed SFP slot for multimode or singlemode (monomode) SFP module. Jumbo Frames, power saving EEE, DIN rail mountable, extended temperature range, operating voltage +12V..30V DC, fanless metal case, dimensions WxDxH 40x80x95mm, operating temperature -40°C..+75°C, DIN rail mountable.

### Versions of this model group:

[09615148](#) Industrial media converter 10/100/1000MBit/s 1000Base-SX

[09615149](#) Industrial media converter 10/100/1000MBit/s 1000Base-LX 10km

[09615150](#) Industrial media converter 10/100/1000MBit/s 1000Base-LX 20km

[09615151](#) Industrial media converter 10/100/1000MBit/s 100Base-FX MM LC

[09615152](#) Industrial media converter 10/100/1000MBps 100Base-FX SM 30km

## Accessories

[11522024R](#) Power supply DIN rail 85..264V AC -> 24V DC 1.0A 24W -20..70°C

[11524024R](#) Power supply DIN rail 85..264V AC -> 24V DC 1.7A 40W -20..70°C

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## Industrial media converter 10/100/1000MBit/s - 100/1000Base SFP



Managed Industrial Ethernet media converter with 1x 10/100/1000MBit/s 1000Base-T RJ-45 port and 1x 100/1000MBit/s 1000Base-X / 100Base-TX dual speed SFP slot for multimode or singlemode (monomode) SFP module.

Management via web, SNMP, VLAN, Jumbo Frames, power saving EEE, DIN rail mountable, extended temperature range, operating voltage +12V..30V DC, fanless metal case, dimensions WxDxH 40x80x95mm, operating temperature -40°C..+75°C, DIN rail mountable.

### Versions of this model group:

[09615143](#) Industrial media converter 10/100/1000MBit/s 1000Base-SX

[09615144](#) managed industrial f/o converter 1000Base-T 1000Base-LX 10km

[09615145](#) managed industrial f/o converter 1000Base-T 1000Base-LX 20km

[09615146](#) managed industrial f/o converter 1000Base-T 100Base-FX MM LC

[09615147](#) managed industrial f/o converter 1000Base-T 100Base-FX SM 30km

## Accessories

[11522024R](#) Power supply DIN rail 85..264V AC -> 24V DC 1.0A 24W -20..70°C

[11524024R](#) Power supply DIN rail 85..264V AC -> 24V DC 1.7A 40W -20..70°C

[Other accessories in the Online Shop](#)

## Industrial Gigabit Ethernet switch / dual media converter



Industrial Gigabit Ethernet media converter and switch with 2x 1000Base-T RJ-45 ports optional 30W IEEE 802.3at PoE and 2x 100/1000Base-X dual speed SFP slot, alternatively dual media converter with optimized latency and redundancy option or managed 4-port switch. Jumbo frame support, redundant ring, DDM, alarm contact, IPv6, QoS, VLAN, Storm control, IGMP snooping, MLD snooping, Spanning Tree, Fast multi ring, fanless metal case, operating temperature -40..+70°C, dimensions WxDxH 42x106x140mm, FCC Class A, VCCI Class A, CE Class A.

### Versions of this model group:

[09615034](#) Industrial GbE switch / fiber optic converter 2x RJ45 2x SFP

### Accessories

[12233405](#) SFP 1000Base-SX multimode 850nm LC 550m -40..+85°C DDM

[12233402](#) SFP 1000Base-SX multimode 1310nm LC 2km -40..+85°C DDM

[12233420](#) SFP 1000Base-LX singlemode 1310nm LC 20km -40..+85°C DDM

[12233202](#) SFP 100Base-FX multimode 1310nm LC 2km -40..+85°C

[12233220](#) SFP 100Base-FX singlemode 1310nm LC 20km -40..+85°C

[11522024R](#) Power supply DIN rail 85..264V AC -> 24V DC 1.0A 24W -20..70°C

[11524024R](#) Power supply DIN rail 85..264V AC -> 24V DC 1.7A 40W -20..70°C

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## Industrial Gigabit Ethernet switch 8x RJ45 2x SFP, PoE



10 port managed GbE industrial switch with 8x 10/100/1000 MBit/s 1000Base-T RJ45 ports, optional 4x high power PoE Power over Ethernet endspan PSE ports according to IEEE 802.3at standard (max. 35W/port) and 2x 100/1000 MBit/s dual speed SFP slots, 1x RJ45 console port, web management HTTPS/SSH, Telnet, SNMP, VLAN, QoS, IGMP Snooping, Spanning Tree, proprietary multi redundant ring function, IPv6, SFP DDM, DIN rail mountable, operating voltage 7V..60V DC (PoE af=45-57V at=51-57V), operating temperature -40°C..70°C, dimensions WxDxH 42x106x140mm.

### Versions of this model group:

[09614774](#) Industrial Gigabit Ethernet switch 8x RJ45 2x SFP PoE PD

### Accessories

[12233405](#) SFP 1000Base-SX multimode 850nm LC 550m -40..+85°C DDM

[12233402](#) SFP 1000Base-SX multimode 1310nm LC 2km -40..+85°C DDM

[12233420](#) SFP 1000Base-LX singlemode 1310nm LC 20km -40..+85°C DDM

[12233202](#) SFP 100Base-FX multimode 1310nm LC 2km -40..+85°C

[12233220](#) SFP 100Base-FX singlemode 1310nm LC 20km -40..+85°C

[115212401](#) Power supply DIN rail 90~264V AC -> 48V DC 2.5A 120W -20~+70°C

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## 10 port managed Industrial Gigabit Ethernet switch 2x SFP slot



Managed 10 port Industrial Gigabit Ethernet switch with 8x 10/100/1000MBit/s 1000Base-T RJ-45 ports and two SFP slots for 100/1000MBit/s 100Base-FX and / or 1000Base-SX / 1000Base-LX SFP modules, suitable for singlemode or multimode fiber optic cable with LC connector. Supports Jumbo Frames, 20GBps, 14.8MPps. Metal case, protection class IP30, operating voltage: 12V..48V DC redundant, protection ESD 6KV DC, EFT 6KV DC, dimensions 87.8x135x56mm (WxDxH). Management web, Telnet, SNMP v1, v2c, SSH, SSL, SNMP v3, STP, RSTP, MSTP, VLAN, QoS, IGMP, MLD...

### Versions of this model group:

[101410020](#) Managed GbE industrial switch 8x RJ45 2x SFP combo

### Accessories

[12233405](#) SFP 1000Base-SX multimode 850nm LC 550m -40..+85°C DDM

[12233402](#) SFP 1000Base-SX multimode 1310nm LC 2km -40..+85°C DDM

[12233420](#) SFP 1000Base-LX singlemode 1310nm LC 20km -40..+85°C DDM

[12233202](#) SFP 100Base-FX multimode 1310nm LC 2km -40..+85°C

[12233220](#) SFP 100Base-FX singlemode 1310nm LC 20km -40..+85°C

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## 20 port managed Industrial Gigabit Ethernet switch 4x SFP slots



Managed 20 port Industrial Gigabit Ethernet switch with 16x 10/100/1000MBit/s 1000Base-T RJ-45 ports and 4 SFP slots for 100/1000MBit/s 100Base-FX and / or 1000Base-SX / 1000Base-LX SFP modules, suitable for singlemode or multimode fiber optic cable with LC connector. Supports Jumbo Frames, 40GBps, 25.6MPps. Metal case, protection class IP30, input voltage: 12V..48V DC redundant, protection ESD 6KV DC, EFT 6KV DC, dimensions 87.8x135x56mm (WxDxH). Management web, console, Telnet, SNMP v1, v2c, SSH, SSL, SNMP v3, STP, RSTP, MSTP, VLAN, QoS, IGMP...

### Versions of this model group:

[101420040](#) Managed Gigabit Ethernet industrial switch 16x RJ-45 4x SFP

### Accessories

[12233405](#) SFP 1000Base-SX multimode 850nm LC 550m -40..+85°C DDM

[12233402](#) SFP 1000Base-SX multimode 1310nm LC 2km -40..+85°C DDM

[12233420](#) SFP 1000Base-LX singlemode 1310nm LC 20km -40..+85°C DDM

[12233202](#) SFP 100Base-FX multimode 1310nm LC 2km -40..+85°C

[12233220](#) SFP 100Base-FX singlemode 1310nm LC 20km -40..+85°C

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## 8 port mng.Industrial Gigabit Ethernet switch 0/1/2x f/o,PoE PD



Industrial GbE switch with 8x 10/100/1000MBit/s 1000Base-T GbE ports with M12 D screw connector (protection class IP67+IP65), thereof 0/1/2x combo port(s) with 1000Base-X f/o for LC connector, operating voltage 6.5V..60V DC at M23 (IP67) or PoE according to IEEE 802.3af at port 4, management via web, console (M12), SNMP, supports VLAN, QoS, LACP, port mirroring, Jumbo frame, Storm control, IEEE802.1x, Spanning Tree, IGMP Snooping, fanless metal case, dimensions 163x195x60.5mm, recessed mounting or wall mounting, operating temperature -40°C..+70°C.

### Versions of this model group:

[09614610](#) 8 port IP67 GbE industrial switch PoE PD 1x multimode LC  
550m

[09614611](#) 8 port IP67 GbE industrial switch PoE PD 2x multimode LC  
550m

[09614612](#) 8 port IP67 GbE industrial switch PoE PD 1x singlemode LC  
10km

[09614637](#) 8 port IP67 GbE industrial switch PoE PD 2x singlemode LC  
10km

[09614613](#) 8 port IP67 GbE industrial switch PoE PD 1x BiDi LC 10km 13->1

[09614636](#) 8port IP67 GbE industrial switch PoE PD 1x BiDi LC 10km 15->13

# Industrial PoE Power over Ethernet Endspan PSE

## Industrial Gigabit Ethernet f/o converter managed PoE+ PSE



Managed Industrial Gigabit Ethernet media converter with 1x 10/100/1000 MBit/s 1000Base-T RJ-45 port, PoE PSE max. 32W according to IEEE 802.3at/af standard and 1x 100/1000 MBit/s dual speed SFP slot incl. SFP module (see selection box), web based and SNMP management, power saving EEE, 9.6k Bytes Jumbo frame support, DIN rail mountable, operating temperature -40°C .. +75°C, operating voltage 45V .. 57V DC (without PoE: 12V up to +57V DC) at screw terminal, DIN screw connector or DC connector, fanless metal case, dimensions WxHxD 40x140x106mm.

### Versions of this model group:

- [09615817](#) Industrial GbE f/o converter 850nm MM 500m PoE+ PSE 802.3at
- [09615818](#) Industrial GbE f/o converter 1310nm SM 10km PoE+ PSE 802.3at
- [09615819](#) Industrial GbE f/o converter 1550nm SM 70km PoE+ PSE 802.3at
- [09615820](#) Industrial GbE f/o converter BiDi 1310->1550nm 10km PoE+ PSE
- [09615821](#) Industrial GbE f/o converter BiDi 1550->1310nm 10km PoE+ PSE
- [09615822](#) Industrial 100Base f/o converter 1310nm MM 2km PoE+ PSE
- [09615823](#) Industrial 100Base f/o converter 1310nm SM 30km PoE+ PSE

### Accessories

[11526048R](#) Power supply DIN rail 85~264V AC -> 48V DC 1.25A 60W - 20..+70°C

[11526048I](#) Plug-in power supply 48V 60W 1.25A -20..+50°C

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## Industrial Gigabit Ethernet f/o converter managed PoE++ PSE



Managed Industrial Gigabit Ethernet media converter with 1x 10/100/1000 MBit/s 1000Base-T RJ-45 port, PoE PSE max. 90W according to IEEE 802.3bt/af standard and 1x 100/1000 MBit/s dual speed SFP slot incl. SFP module (see selection box), web based and SNMP management, power saving EEE, 9.6k Bytes Jumbo frame support, DIN rail mountable, operating temperature -40°C .. +75°C, operating voltage 45V .. 57V DC (without PoE: 12V up to +57V DC) at screw terminal, DIN screw connector or DC connector, fanless metal case, dimensions WxHxD 40x140x106mm.

### Versions of this model group:

- [09615825](#) Industrial GbE f/o converter 850nm MM 500m PoE++ 802.3bt
- [09615826](#) Industrial GbE f/o converter 1310nm SM 10km PoE++ 802.3bt
- [09615827](#) Industrial GbE f/o converter 1550nm SM 70km PoE++ 802.3bt
- [09615828](#) Industrial GbE f/o converter BiDi 1310->1550nm 10km PoE++ PSE
- [09615829](#) Industrial GbE f/o converter BiDi 1550->1310nm 10km PoE++ PSE
- [09615830](#) Industrial 100Base f/o converter 1310nm MM 2km PoE++ PSE
- [09615831](#) Industrial 100Base f/o converter 1310nm SM 30km PoE++ PSE

### Accessories

[115212048](#) Power supply DIN rail 88~264V AC -> 48V DC 2.5A 120W - 25..+70°C

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## Industrial GbE f/o converter managed PoE+ IEEE 1613 IEC 61850-3



Managed Industrial Gigabit Ethernet media converter according to IEC 61850-3 standard for insert in power substations with 1x 10/100/1000Base-T RJ-45 port, PoE PSE max. 32W according to IEEE 802.3at/af standard and 1x 100/1000 MBit/s dual speed SFP slot incl. SFP module (s. Selection box), web based and SNMP management, power saving EEE, 9.6k Bytes Jumbo frame support, DIN rail mountable, operating temperature -40°C .. +75°C, operating voltage 45V..57V DC at screw terminal or DIN screw connector, fanless metal case, dimensions WxHxD 40x140x106mm.

### Versions of this model group:

- [09615809](#) Industrial GbE f/o converter 850nm MM 500m PoE+ PSE 802.3at
- [09615810](#) Industrial GbE f/o converter 1310nm SM 10km PoE+ PSE 802.3at

**power substations**

- [09615811](#) Industrial GbE f/o converter 1550nm SM 70km PoE+ PSE 802.3at
- [09615814](#) Industrial 100Base f/o converter MM 2km PoE+ PSE IEC 61850-3
- [09615815](#) Industrial 100Base f/o converter SM 30km PoE+ PSE IEC 61850-3
- [09615812](#) Industrial GbE f/o converter BiDi 1310->1550nm 10km PoE+ PSE
- [09615813](#) Industrial GbE f/o converter BiDi 1550->1310nm 10km PoE+ PSE

#### Accessories

[11526048R](#) Power supply DIN rail 85~264V AC -> 48V DC 1.25A 60W -  
20~+70°C

[115212048](#) Power supply DIN rail 88~264V AC -> 48V DC 2.5A 120W -  
25~+70°C

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### Industrial GbE f/o converter mng PoE++ IEEE 1613 IEC 61850-3



#### ⚡ power substations

Managed Industrial Gigabit Ethernet media converter according to IEC 61850-3 standard for insert in power substations with 1x 10/100/1000Base-T RJ-45 port, PoE PSE max. 90W according to IEEE 802.3bt/at/af standard and 1x 100/1000 MBit/s dual speed SFP slot incl. SFP module (s. Selection box), web based and SNMP management, power saving EEE, 9.6k Bytes Jumbo frame support, DIN rail mountable, operating temperature -40°C .. +75°C, operating voltage 45V..57V DC at screw terminal or DIN screw connector, fanless metal case, dimensions WxHxD 40x140x106mm.

#### Versions of this model group:

- [09615801](#) Industrial GbE f/o converter 850nm MM 500m PoE++ PSE 802.3bt
- [09615802](#) Industrial GbE f/o converter 1310nm SM 10km PoE++ PSE 802.3bt
- [09615803](#) Industrial GbE f/o converter 1550nm SM 70km PoE++ PSE 802.3bt
- [09615804](#) Industrial GbE f/o converter BiDi 1310->1550nm 10km PoE++ PSE
- [09615805](#) Industrial GbE f/o converter BiDi 1550->1310nm 10km PoE++ PSE
- [09615806](#) Industrial 100Base f/o converter MM 2km PoE++ PSE IEC 61850-3
- [09615807](#) Industrial 100Base f/o converter SM 30km PoE++ PSE IEC 61850-3

#### Accessories

[115212048](#) Power supply DIN rail 88~264V AC -> 48V DC 2.5A 120W -  
25~+70°C

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### 5 port Industrial Fast Eth.PoE+ switch 4x RJ-45 1x fiber optic



Fast Ethernet industrial switch with 4x 100Base-TX 10/100MBit/s RJ-45 high PoE ports and 1x 100Base-FX 100MBit/s fiber optic port for SC connector, auto MDI/MDI-X, IP30, rugged metal case dimensions WxHxD 30x142x99mm, redundant power, polarity reverse protection, overload current protection, input voltage 48V DC according to IEEE 802.3af max. 25W or 51..55V DC according to IEEE 802.3at max. 30W, removable terminal block, consumption: max. 130W, operating temperature see selection box, 35mm DIN rail mountable and wall mounting.

#### Versions of this model group:

- [129650141](#) Industrial switch 4x PoE+ 30W 1x f/o MM SC 2km -10..+65°C
- [129650142](#) Industrial switch 4x PoE+ 30W 1x f/o MM SC 2km -40..+75°C
- [129650143](#) Industrial switch 4x PoE+ 30W 1x f/o SM SC 30km -10..+65°C
- [129650144](#) Industrial switch 4x PoE+ 30W 1x f/o SM SC 30km -40..+75°C

#### Accessories

[11526048R](#) Power supply DIN rail 85~264V AC -> 48V DC 1.25A 60W -  
20~+70°C

[115212401](#) Power supply DIN rail 90~264V AC -> 48V DC 2.5A 120W -  
20~+70°C

[115224048](#) Power supply DIN rail 88~264V AC -> 48V DC 5.0A 240W -  
25~+70°C

[063600001](#) 19" panel with DIN rail for network-distribution racks

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## Industry PoE+ switch IN 12V/24V DC OUT 4x 802.3at 30W



Industrial Fast Ethernet switch with 5x 10/100MBit/s 100Base-TX RJ-45 ports, thereof 4x high PoE (PoE+ PSE endspan) according to IEEE 802.3at standard. Input voltage 12V..36V DC redundant, power consumption max. 145W. Rugged metal case IP30, dimensions WxHxD 46x142x99mm, reverse polarity protection, overload current protection (slow-blown fuse), operating temperature see selection box, 35mm DIN rail mountable, optional wall mounting. Certifications FCC, CE. Optional with corrosion protection (item 129650044)

### Versions of this model group:

[129650042](#) 5 port industrial switch 4x IEEE 802.3at PoE+ 30W -40..+75°C

### Accessories

[114462612](#) PoE splitter 40..60V DC 12V / 2.08A 25W GbE 802.3at DIN rail

[114462624](#) PoE splitter 40..60V DC 24V / 1.04A 25W GbE 802.3at DIN rail

[063600001](#) 19" panel with DIN rail for network-distribution racks

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## Industrial Gigabit PoE+ switch IN: 12/24V OUT: 4x PoE 30W



Industrial Gigabit Ethernet switch with 5x 10/100/1000MBit/s 1000Base-T RJ-45 ports, thereof 4x high PoE (PoE+ PSE) according to IEEE 802.3at/af standard. Input voltage 12V..36V DC redundant. Rugged metal case IP30, dimensions WxHxD 46x142x99mm, reverse polarity protection, overload current protection, operating temperature see selection box, 35mm DIN rail mountable, wall mounting. Certifications FCC, CE.

### Versions of this model group:

[129650062](#) 5 port 24V DC Gigabit industrial switch 4x PoE+ 30W -40..+75°C

### Accessories

[114462612](#) PoE splitter 40..60V DC 12V / 2.08A 25W GbE 802.3at DIN rail

[114462624](#) PoE splitter 40..60V DC 24V / 1.04A 25W GbE 802.3at DIN rail

[063600001](#) 19" panel with DIN rail for network-distribution racks

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## Industrial Gigabit Ethernet E-Mark PoE switch 8x IEEE 802.3at



Industrial Ethernet E-Mark switch with 8x 10/100/1000MBit/s 1000Base-T RJ-45 high PoE ports (PoE+ PSE) according to IEEE 802.3at standard max. 30W /port. Input voltage 9V..55V DC redundant, power consumption max. 254W. Rugged metal case IP30, dimensions WxHxD 46x142x99mm, overload current protection, operating temperature s. Selection box, 35mm DIN rail mountable and wall mounting.

### Versions of this model group:

[1296800E2](#) Industrial Gigabit Ethernet E-Mark PoE switch 8x IEEE 802.3at

### Accessories

[114462512](#) PoE splitter 40..60V DC 12V / 2.08A 25W GbE 802.3at

[114462524](#) PoE splitter 40..60V DC 24V / 1.04A 25W GbE 802.3at

[114462612](#) PoE splitter 40..60V DC 12V / 2.08A 25W GbE 802.3at DIN rail

[114462624](#) PoE splitter 40..60V DC 24V / 1.04A 25W GbE 802.3at DIN rail

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## 8 port Industr. Gigabit Ethernet high PoE switch managed 12~55V



Industrial Ethernet high PoE switch with 8x 10/100/1000MBit/s 1000Base-T RJ-45 PoE+ ports according to IEEE802.3at/af, redundant ring (RSTP/MSTP, G.8032 ERPS), management web, console, Telnet, IGMP v1/v2, QOS, CoS/ToS, VLAN, SNMP v1/v2c/v3, RMON, SSH/SSL, IEEE 802.1X, metal case dimensions WxHxD 54x142x99mm, input voltage 12V..55V DC redundant, PoE: 12Vin 25W/port, 24Vin 30W/port, consumption incl. PoE max. 255W, operating temperature see selection box, overload current protection, power reverse protection, approvals FCC Class A, CE, RoHS

### Versions of this model group:

[129680092](#) 8 port Industr. GbE high PoE switch managed 12~55V -40..+75°C

### Accessories

- [114462512](#) PoE splitter 40..60V DC 12V / 2.08A 25W GbE 802.3at  
[114462524](#) PoE splitter 40..60V DC 24V / 1.04A 25W GbE 802.3at  
[114462612](#) PoE splitter 40..60V DC 12V / 2.08A 25W GbE 802.3at DIN rail  
[114462624](#) PoE splitter 40..60V DC 24V / 1.04A 25W GbE 802.3at DIN rail  
[063600001](#) 19" panel with DIN rail for network-distribution racks  
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## 5 port Industrial Gigabit PoE+ switch 4x IEEE 802.3at 30W



Industrial Gigabit Ethernet switch with 5x 10/100/1000MBit/s 1000Base-T RJ-45 ports, thereof 4x high PoE (PoE+ PSE) according to IEEE 802.3at standard max. 30W /port. Input voltage 48..55V DC for IEEE 802.3af or 51..55V DC for IEEE 802.3at, redundant, power consumption max. 5.5W + PoE (budget 120W). Rugged metal case IP30, dimensions WxHxD 30x95x75mm, reverse polarity protection, overload current protection, operating temperature see selection box, 35mm DIN rail mountable, wall mounting. Certifications FCC, CE

### Versions of this model group:

- [129650052](#) 5 port Gigabit industrial switch 4x PoE+ 30W -40..+75°C

### Accessories

- [11526048R](#) Power supply DIN rail 85~264V AC -> 48V DC 1.25A 60W -20~+70°C  
[115212401](#) Power supply DIN rail 90~264V AC -> 48V DC 2.5A 120W -20~+70°C  
[115224048](#) Power supply DIN rail 88~264V AC -> 48V DC 5.0A 240W -25~+70°C  
[063600001](#) 19" panel with DIN rail for network-distribution racks

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## 8 port Industrial Gigabit PoE switch 8x 30W 10/100/1000MBit/s



Industrial Gigabit Ethernet PoE switch with 8x 1000Base-T 10/100/1000MBit/s Power over Ethernet ports according to IEEE 802.3at, max. 30W /port (or IEEE 802.3af) pins 1,2,3,6, supports 9.6K Jumbo Frames. Operating temperature -40°C .. +70°C, dimensions WxHxD 26.1x144.3x94.9mm, DIN rail mountable.

### Versions of this model group:

- [122780025](#) 8 port Industrial Gigabit PoE switch 8x 30W 10/100/1000MBit/s

### Accessories

- [115212401](#) Power supply DIN rail 90~264V AC -> 48V DC 2.5A 120W -20~+70°C  
[115224048](#) Power supply DIN rail 88~264V AC -> 48V DC 5.0A 240W -25~+70°C  
[114462512](#) PoE splitter 40..60V DC 12V / 2.08A 25W GbE 802.3at  
[114462524](#) PoE splitter 40..60V DC 24V / 1.04A 25W GbE 802.3at

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## Industrial Gigabit Ethernet switch / dual media converter



Industrial Gigabit Ethernet media converter and switch with 2x 1000Base-T RJ-45 ports optional 30W IEEE 802.3at PoE and 2x 100/1000Base-X dual speed SFP slot, alternatively dual media converter with optimized latency and redundancy option or managed 4-port switch. Jumbo frame support, redundant ring, DDM, alarm contact, IPv6, QoS, VLAN, Storm control, IGMP snooping, MLD snooping, Spanning Tree, Fast multi ring, fanless metal case, operating temperature -40..+70°C, dimensions WxDxH 42x106x140mm, FCC Class A, VCCI Class A, CE Class A.

### Versions of this model group:

- [09615035](#) Industrial GbE switch / f/o converter 2x RJ45 PoE 30W 2x SFP

### Accessories

- [12233405](#) SFP 1000Base-SX multimode 850nm LC 550m -40..+85°C DDM  
[12233402](#) SFP 1000Base-SX multimode 1310nm LC 2km -40..+85°C DDM  
[12233420](#) SFP 1000Base-LX singlemode 1310nm LC 20km -40..+85°C DDM  
[12233202](#) SFP 100Base-FX multimode 1310nm LC 2km -40..+85°C  
[12233220](#) SFP 100Base-FX singlemode 1310nm LC 20km -40..+85°C

[11526048R](#) Power supply DIN rail 85~264V AC -> 48V DC 1.25A 60W -  
20~+70°C

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## Industrial Gigabit Ethernet switch 8x RJ45 2x SFP, PoE



10 port managed GbE industrial switch with 8x 10/100/1000 MBit/s 1000Base-T RJ45 ports, optional 4x high power PoE Power over Ethernet endspan PSE ports according to IEEE 802.3at standard (max. 35W/port) and 2x 100/1000 MBit/s dual speed SFP slots, 1x RJ45 console port, web management HTTPS/SSH, Telnet, SNMP, VLAN, QoS, IGMP Snooping, Spanning Tree, proprietary multi redundant ring function, IPv6, SFP DDM, DIN rail mountable, operating voltage 7V..60V DC (PoE af=45-57V at=51-57V), operating temperature -40°C..70°C, dimensions WxDxH 42x106x140mm.

### Versions of this model group:

[09614774](#) Industrial Gigabit Ethernet switch 8x RJ45 2x SFP PoE PD

[09614775](#) Industrial Gigabit Ethernet switch 8x RJ45 2x SFP, PoE PSE

### Accessories

[12233405](#) SFP 1000Base-SX multimode 850nm LC 550m -40..+85°C DDM

[12233402](#) SFP 1000Base-SX multimode 1310nm LC 2km -40..+85°C DDM

[12233420](#) SFP 1000Base-LX singlemode 1310nm LC 20km -40..+85°C DDM

[12233202](#) SFP 100Base-FX multimode 1310nm LC 2km -40..+85°C

[12233220](#) SFP 100Base-FX singlemode 1310nm LC 20km -40..+85°C

[115212048](#) Power supply DIN rail 88~264V AC -> 48V DC 2.5A 120W -  
25~+70°C

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## 24V Industrial Gigabit Ethernet PoE switch 8x 1000Base-T 2x SFP



Managed 10 port Industrial Gigabit Ethernet PoE switch with 8x 10/100/1000MBit/s 1000Base-T RJ-45 PoE+ ports according to IEEE 802.3af/at standard and 2x 100/1000MBit/s dual speed SFP slot for Gigabit Ethernet or Fast Ethernet SFP modules. Management web, Telnet, console CLI, SNMP, VLAN, QoS, IGMP, STP, RSTP, MSTP, 9600 Bytes Jumbo Frames. PoE 8 ports max 30W, total budget 90W. Operating voltage 12V..30V DC, operating temperature -30°..+60°C, metal case dimensions WxDxH 60x106x140mm. Approvals CE mark Class A, FCC Class A, VCCI Class A, EN50121-4.

### Versions of this model group:

[09615386](#) 24V Industrial GbE PoE switch 8x 1000Base-T 2x SFP

### Accessories

[12233405](#) SFP 1000Base-SX multimode 850nm LC 550m -40..+85°C DDM

[12233402](#) SFP 1000Base-SX multimode 1310nm LC 2km -40..+85°C DDM

[12233420](#) SFP 1000Base-LX singlemode 1310nm LC 20km -40..+85°C DDM

[12233202](#) SFP 100Base-FX multimode 1310nm LC 2km -40..+85°C

[12233220](#) SFP 100Base-FX singlemode 1310nm LC 20km -40..+85°C

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## 8 port mang.Industrial Gigabit Ethernet switch 1/2x f/o PoE PSE



Industrial GbE PoE switch (endspan) with 8x 10/100/1000MBit/s 1000Base-T GbE ports with M12 A (IP67) connector and PoE 30W according to IEEE 802.3at thereof 1/2x combo port(s) with 1000Base-X f/o for LC connector, voltage 45V..57V DC at M23 (IP67), management via web, console (M12), SNMP, supports VLAN, QoS, LACP, port mirroring, Jumbo frame, Storm control, IEEE802.1x, STP, IGMP Snooping, protection class IP65 + IP67, fanless metal case, dimensions 163x195x60.5mm, recessed mounting, operating temperature -40°C..+70°C, incl. starter-cable set.

### Versions of this model group:

[09614614](#) 8 port IP67 GbE industrial switch PoE PSE 1x multimode LC 550m

[09614615](#) 8 port IP67 GbE industrial switch PoE PSE 2x multimode LC 550m

[09614616](#) 8 port IP67 GbE industrial switch PoE PSE 1x SM LC 10km

[09614622](#) 8 port IP67 GbE industrial switch PoE PSE 2x SM LC 10km

[09614617](#) 8 port IP67 GbE industrial switch PoE PSE 1x SM BiDi A LC 10km  
[09614640](#) 8 port IP67 GbE industrial switch PoE PSE 1x SM BiDi B LC 10km

## Industrial 10 Gigabit Ethernet media converter 10GbE RJ-45/SFP+



Industrial 10 Gigabit Ethernet bridging media converter with 1x 10G/5G/2.5G/1G/100MBit/s 10GBase-T RJ-45 port and 1x 10Gbit/s 10GbE SFP+ slot, 16K Jumbo frame support, input voltage 12V .. 48V DC or 24V AC redundant, alarm contact, 6kV DC ESD protection, dimensions WxDxH 32x87x135mm, operating temperature -40° .. +75°C, DIN rail mountable or wall mounting.

### Versions of this model group:

[101470502](#) Industry 10 GbE media converter 10Gbase-X RJ-45 / SFP+

### Accessories

[12233904](#) SFP+ 10GBase-SR multimode 850nm 300m -40..+85°C DDM

[12233911](#) SFP+ 10GBase-LR singlemode 1310nm 10km -40..+85°C DDM

[11522024R](#) Power supply DIN rail 85..264V AC -> 24V DC 1.0A 24W -20..70°C

[11524024R](#) Power supply DIN rail 85..264V AC -> 24V DC 1.7A 40W -20..70°C

[13199801](#) 10GbE PCI Express X8 NIC SFP+ PCIe v2.0, Intel 82599EN based  
Other accessories in the Online Shop

## Industrial Ethernet switch 2x 10GbE SFP+ and 8x GbE RJ-45 PoE+



Manageable Industrial 10 GbE switch with 2x 1/10Gbit/s dual speed 10GBase SFP+ slots for 10Gigabit SFP+ and/or Gigabit SFP modules and 8 10/100/1000MBit/s 1000Base-T RJ-45 PoE+ PSE ports according to IEEE 802.3at/af standard for Fast or Gigabit Ethernet end devices, operating temperature -40°C..+60°C, input voltage 12V..55V DC, dimensions WxHxD 54x142x99mm DIN rail mountable and wall mounting included in scope of delivery. Management web, CLI, Telnet, SNMP, SSH, G.8032 ERPS, RSTP, MSTP, static routes, Radius. TACACS+, QoS, LACP, VLAN, SNMP, etc.

### Versions of this model group:

[129632200](#) Mng. Ind. 10GbE switch 12V~55V DC 2x10GbE SFP+ and 8xGbE PoE+

### Accessories

[12233904](#) SFP+ 10GBase-SR multimode 850nm 300m -40..+85°C DDM

[12233911](#) SFP+ 10GBase-LR singlemode 1310nm 10km -40..+85°C DDM

[063600001](#) 19" panel with DIN rail for network-distribution racks

Other accessories in the Online Shop

## **GbE SFP Modules (mini GBIC) 1000Base-X Gigabit Ethernet**

### **Gigabit Ethernet GbE SFP -40°C..+85°C**



Gigabit Ethernet (GbE) SFP (mini-GBIC) transceiver module with 1x 1000Base copper port for RJ-45 connector or fiber optic port for LC connector. Temperature range -40°C...+85° (Industrial Temperature Range). Suitable for Industrial Ethernet or standard Gigabit Ethernet applications. The SFP modules with fiber optic port support DDM (Digital Diagnostic monitoring). Longer ranges on request.

#### **Versions of this model group:**

- [12233405](#) SFP 1000Base-SX multimode 850nm LC 550m -40..+85°C DDM
- [12233402](#) SFP 1000Base-SX multimode 1310nm LC 2km -40..+85°C DDM
- [12233420](#) SFP 1000Base-LX singlemode 1310nm LC 20km -40..+85°C DDM
- [12233401](#) SFP 1000Base-T 10/100/1000Mbps RJ-45 100m 0..+85°C

### **GbE Gigabit Ethernet BiDi SFP -40°C..+85°C**



Gigabit Ethernet BiDi (WDM SingleFiber) SFP fiber optic transceiver module with 1x 1000Base-SX multimode or 1000Base-LX singlemode (monomode) fiber optic port for LC simplex connector. Extended temperature range -40°C..+85°C also for Industrial Ethernet.

#### **Versions of this model group:**

- [122354053](#) SFP GbE BiDi multimode TX/RX 1310/1550nm LC 500m -40~85°C
- [122354055](#) SFP GbE BiDi multimode TX/RX 1550/1310nm LC 500m -40~85°C
- [122354203](#) SFP GbE BiDi singlemode TX/RX:1310/1550nm LC 20km -40~85°C DDM
- [122354205](#) SFP GbE BiDi singlemode TX/RX:1550/1310nm LC 20km -40~85°C DDM

## **10GbE SFP+ Modules (mini GBIC) 10GBase-X 10 Gigabit Ethernet**

### **10 Gigabit Ethernet SFP+ DDM**



10GbE 10 Gigabit Ethernet SFP+ fiber optic transceiver module with 1x 10GBase multimode or singlemode (monomode) fiber optic port for LC connector. DDM Digital Diagnostic. Operating temperature see selection box.

#### **Versions of this model group:**

- [12233903](#) SFP+ 10GBase-SR multimode 850nm 300m 0..+70°C DDM
- [12233904](#) SFP+ 10GBase-SR multimode 850nm 300m -40..+85°C DDM
- [12233910](#) SFP+ 10GBase-LR singlemode 1310nm 10km 0..+70°C DDM
- [12233911](#) SFP+ 10GBase-LR singlemode 1310nm 10km -40..+85°C DDM

## **10GbE SFP+ Twinax cable**

### **10GbE SFP+ DAC Twinax cable passive**



10GbE SFP+ DAC cable for direct connection of two 10Gigabit SFP+ ports. Supports data rates of 1 Gbps up to 10.5 Gbps, hot-pluggable, metal case, 3.3V, SFF-8472 Rev.11.1, SFP+ MSA: SFF-8431 Ref.4.1

#### **Versions of this model group:**

- [122303900](#) 10GbE SFP+ DAC Twinax cable passive 0,50m
- [122303901](#) 10GbE SFP+ DAC Twinax cable passive 1,00m
- [122303902](#) 10GbE SFP+ DAC Twinax cable passive 2,00m

## **FE SFP Modules (mini GBIC) 100Base-FX Fast Ethernet**

### **Fast Ethernet SFP LC -40°C..+85°C for Industrial Ethernet**



Fast Ethernet SFP fiber optic transceiver module with 1x 100Base-FX multimode or singlemode (monomode) fiber optic port for LC connector, with extended temperature range -40°C..+85°C also for Industrial Ethernet.

#### **Versions of this model group:**

[12233202](#) SFP 100Base-FX multimode 1310nm LC 2km -40..+85°C

[12233220](#) SFP 100Base-FX singlemode 1310nm LC 20km -40..+85°C

[12233250](#) SFP 100Base-FX singlemode 1310nm LC 50km -40..+85°C

[12233280](#) SFP 100Base-FX singlemode 1550nm LC 80km -40..+85°C

### **Fast Ethernet BiDi SFP SC or LC MM or SM -40°C..+85°C**



Fast Ethernet BiDi (WDM SingleFiber) SFP fiber optic transceiver module with 1x 100Base-FX multimode or singlemode (monomode) fiber optic port for SC or LC simplex connector. With extended temperature range -40°C..+85°C also for Industrial Ethernet. Longer ranges on request.

#### **Versions of this model group:**

[122342023](#) SFP 100Base-FX BiDi multimode T/R 1310/1550nm SC 2km -40~85°C

[122342025](#) SFP 100Base-FX BiDi multimode T/R 1550/1310nm SC 2km -40~85°C

[122352023](#) SFP 100Base-FX BiDi multimode T/R 1310/1550nm LC 2km -40~85°C

[122352025](#) SFP 100Base-FX BiDi multimode T/R 1550/1310nm LC 2km -40~85°C

[122342203](#) SFP 100Base-FX BiDi singlemode TR 1310/1550nm SC 20km -40~85°C

[122342205](#) SFP 100Base-FX BiDi singlemode TR 1550/1310nm SC 20km -40~85°C

[122352203](#) SFP 100Base-FX BiDi singlemode TR 1310/1550nm LC 20km -40~85°C

[122352205](#) SFP 100Base-FX BiDi singlemode TR 1550/1310nm LC 20km -40~85°C

## PoE Midspan PSE (Injector)

Gigabit PoE injector IN: 100~240V AC, OUT: IEEE 802.3af



PoE power over gigabit Ethernet injector for 100~240V AC with internal power supply, output max. 16.8W (48V 0.35A) according to IEEE 802.3af mode A (pins 12- 36+) or mode B (pins 45+ 78-) s. Selection box, suitable for industrial use, dimensions 85x78x36.5mm, optional with accessories for mounting on 35mm DIN rail, Extended temperature range -40°C..+70°C, relative humidity 5%..90% non condensing, certifications CE, FCC, RCM. IEC cable included in scope of delivery.

### Versions of this model group:

- [11447721](#) GbE PoE injector IN:100~240VAC IEEE 802.3af mode B
- [11447722](#) GbE PoE injector IN:100~240VAC IEEE 802.3af mode B DIN rail
- [11447711](#) GbE PoE injector IN:100~240VAC IEEE 802.3af mode A
- [11447712](#) GbE PoE injector IN:100~240VAC IEEE 802.3af mode A DIN rail

### Accessories

- [114461412](#) PoE splitter 12V DC 12W 1.0A -25..+60°C
- [114461424](#) PoE splitter 24V DC 12W 0.5A -25..+60°C

Other accessories in the [Online Shop](#)

## POE Plus Power over Gigabit Ethernet injector 35W high power



10/100/1000MBit/s 1000Base-T Gigabit Ethernet Power over Ethernet Midspan injector high power according to IEEE 802.3at standard (PoE+ / PoE Plus). Internal power supply input voltage 100..240V AC, output 56V DC 35W, wall mountable, optional DIN rail mountable (s. Selection box), dimensions BxLxH 72x125x38mm. Extended temperature range -40°C..+70°C, relative humidity 5%..90% non condensing, suitable for industrial use. Corresponds to UL1950, CSA 22.2, EN60950-1, certifications CE, FCC. IEC cable included in scope of delivery.

### Versions of this model group:

- [114409021](#) PoE injector Gigabit Ethernet IEEE 802.3at -40°C~+70°C
- [114409022](#) PoE injector Gigabit Ethernet IEEE 802.3at -40°C~+70°C DINRail

## Dual Power over Ethernet injector 100-240V AC 2x 802.3at 25W



Dual Fast Ethernet (10/100 MBit/s) or Gigabit Ethernet (10/100/1000MBit/s) high PoE injector with 2x 25W PoE+ according to IEEE 802.3at and IEEE 802.3af mode B (pins 4,5+ 7,8-), plastic case, dimensions LxWxH 125x72x38mm, input voltage 100V ... 240V AC, operating temperature -25°C ... +50°C, relative humidity 5% ... 90% non condensing, FCC Class A, EN55032 Class A, EN60950-1 (2. Edition), wall mountable, optional DIN rail mountable.

### Versions of this model group:

- [114447001](#) Fast Ethernet PoE injector 100-240V AC 2x IEEE 802.3at 25W
- [114447002](#) 100Base PoE injector 100-240V AC 2x IEEE 802.3at 25W DINrail
- [114447101](#) Gigabit Ethernet PoE injector 100-240V AC 2x IEEE 802.3at 25W
- [114447102](#) GbE PoE injector 100-240V AC 2x IEEE 802.3at 25W DINrail

## Power over Ethernet PoE injector IN:10-36VDC OUT:IEEE 802.3af



PoE Power over Ethernet injector with 10..36V DC input voltage, consumption 16.8W max., suitable for industrial use, extended temperature range, dimensions: 86x76x36mm LxWxH, dual power input. Typical for vehicles, island systems, battery operation or industrial-environments with 12V DC or 24V DC voltage. Wall mounting, optional with DIN rail mounting kit for mounting on 35mm DIN rail.

### Versions of this model group:

- [114414ITD](#) PoE injector 10..36V DC IN -40..+75°C
- [114414006](#) PoE injector 10..36V DC IN -40..+75°C DIN-rail
- [114414001](#) PoE injector 10..36V DC IN -40..+85°C metal case
- [114414007](#) PoE injector 10..36V DC IN -40..+85°C metal case DIN rail

## Gigabit PoE injector IN:10-36V DC OUT: IEEE 802.3af



PoE Power over Gigabit Ethernet injector for direct current. Input 10..36V DC, output PoE 17W max. (48V 0,35A) according to IEEE 802.3af mode A (pins 12-36+) or mode B (pins 45+ 78-) s. Selection box, suitable for industrial use, dimensions: 85x57x36mm LxWxH, input with fuse protection, protection against short circuit, CE, UL1950, CSA 22.2, EN60950-1, FCC Class B, EN55032 Class B, operating temperature -40°C..+70°C, wall mounting, optional with DIN rail mounting kit.

### Versions of this model group:

- [114469111](#) GbE PoE injector IN:10-36VDC IEEE 802.3af mode A
- [114469112](#) GbE PoE injector IN:10-36VDC IEEE 802.3af mode A DIN rail
- [114469121](#) GbE PoE injector IN:10-36VDC IEEE 802.3af mode B
- [114469122](#) GbE PoE injector IN:10-36VDC IEEE 802.3af mode B DIN rail

Further variants on request

## PoE injector 5 Gigabit Ethernet IN:12V/24V DC OUT: IEEE 802.3af



Power over Gigabit Ethernet injector (Midspan, 5GbE PSE) according to IEEE 802.3af standard for direct input current 10..36V DC (typical 12V/24V DC) 16.8W max., suitable for industrial use, metal case dimensions LxWxH 82x56x35mm (see product information), wall mounting, input with fuse protection, protection against short circuit, FCC Class B, EN55032 Class B, EN55022 Class B, EN60945 (Marine) and EN50155 (Railway). Operating temperature -40°C..+70°C, derating > 50°C, optional with DIN rail mounting kit.

### Versions of this model group:

- [11444598M](#) PoE injector 5 GbE IN:10-36V OUT:IEEE 802.3af metal case
- [11444598N](#) PoE injector 5GbE IN:10-36V OUT:802.3af metal case DIN-rail

**EN60945** Marine

**EN50155** railway

## Gigabit PoE injector DC input, PoE IEEE 802.3at 35W



PoE Power over Gigabit Ethernet injector for direct current power input s. Selection box, PoE 35W max. (56V 0,625A) high power (PoE+) according to IEEE 802.3at mode A (pins 12- 36+) or B (pins 45+ 78-) and IEEE 802.3af, suitable for industrial use, dimensions: 125x72x38mm LxWxH, input with fuse protection, protection against short circuit, CE, UL1950, CSA 22.2, EN60950, FCC Class B, EN55022 Class B, operating temperature -40°C..+70°C, wall mounting, optional for mounting on 35mm DIN rail. Reverse pin assignment or Permanent current output on request.

### Versions of this model group:

- [114470121](#) GbE PoE injector IN:10-15VDC IEEE 802.3at mode B
- [114470122](#) GbE PoE injector IN:10-15VDC IEEE 802.3at mode B DIN rail
- [114470221](#) GbE PoE injector IN:18-36VDC IEEE 802.3at mode B
- [114470222](#) GbE PoE injector IN:18-36VDC IEEE 802.3at mode B DIN rail
- [114470421](#) GbE PoE injector IN:40-60VDC IEEE 802.3at mode B
- [114470422](#) GbE PoE injector IN:40-60VDC IEEE 802.3at mode B DIN rail
- [114470111](#) GbE PoE injector IN:10-15VDC IEEE 802.3at mode A
- [114470112](#) GbE PoE injector IN:10-15VDC IEEE 802.3at mode A DIN rail
- [114470211](#) GbE PoE injector IN:18-36VDC IEEE 802.3at mode A
- [114470212](#) GbE PoE injector IN:18-36VDC IEEE 802.3at mode A DIN rail
- [114470411](#) GbE PoE injector IN:40-60VDC IEEE 802.3at mode A
- [114470412](#) GbE PoE injector IN:40-60VDC IEEE 802.3at mode A DIN rail

## Industrial Gigabit high PoE injector 12V/24V/48V DC 30W



Industrial Power over Gigabit Ethernet injector, data ports 10/100/1000MBit/s 1000Base-T RJ-45, input voltage 12V..55V DC at screw terminal, output according to IEEE 802.3at standard max. 30W, consumption 1.44W + PoE. Operating temperature -40°C..+85°C, relative humidity 5%..95% non condensing, rugged metal case IP30, dimensions WxHxD 26x95x75mm, 35mm DIN rail mountable and wall mounting, overload current protection, reverse polarity protection, CE, FCC Class A

### Versions of this model group:

[129620201](#) Industrial Gigabit high PoE injector Vin:12V~55V DC 30W

### Accessories

[063600001](#) 19" panel with DIN rail for network-distribution racks

## 10-Gigabit PoE injector IN:10-36V DC OUT:IEEE 802.3at 35W



EN60945 Marine  
EN50155 railway

## 4 port Power over Ethernet injector IEEE 802.3af



10/100MBit/s 100Base-TX Fast Ethernet Power over Ethernet injector with internal power supply 100..240V AC input voltage (typical 120V/230V AC), incl. EU power Cord, PoE output according to IEEE 802.3af standard, operating temperature 0..+60°C for the operation of PoE end devices such as IP phones, wireless access points or IP cameras with PoE power input or via a PoE splitter. Suitable for industrial use. Optional with 35mm DIN rail mounting kit (see selection box).

### Versions of this model group:

[114444TXD](#) PoE injector 4 port Fast Ethernet AC 0..+60°

[114444TXR](#) PoE injector 4 port Fast Ethernet AC 0..+60°C DIN Raill (on request)

### Accessories

[115212401](#) Power supply DIN rail 90~264V AC -> 48V DC 2.5A 120W - 20~+70°C

[115224048](#) Power supply DIN rail 88~264V AC -> 48V DC 5.0A 240W - 25~+70°C

Other accessories in the Online Shop

## PoE Plus injector Gigabit Ethernet 70W high power at



High power PoE Plus Power over Ethernet injector according to IEEE 802.3at standard 70W with 1x 10/100/1000MBit 1000Base-T Gigabit Ethernet port. Input at screw terminal see selection box, output RJ-45 pins 1236 35W 56V 0.625A and pins 4578 35W 56V 0.625A, operating temperature -40°C..+75°C relative humidity 5%..90% non condensing, dimensions 125x72x38mm (LxWxH).

### Versions of this model group:

[114420240](#) PoE Plus injector GbE In: 18-36V DC 70W high power at

[114420246](#) PoE Plus injector GbE IN: 18-36V DC 70W high power at DIN rail

## Gigabit Ethernet PoE++ injector 10-60V DC 70W IEEE 802.3bt



Industrial Gigabit Ethernet PoE++ injector according to IEEE 802.3bt standard, max. 70W with 1x 10/100/1000MBit/s 1000Base-T Gigabit Ethernet port. Input 10-60V DC at screw terminal, efficiency 86% min. at full Load, Short Circuit protection, input with fuse protection, input polarity reverse protection, input low Voltage protection, Surge protection on data input ports, 35mm DIN rail mountable, operating temperature -40°C..+50°C, Relative humidity 5% .. 90% non condensing, dimensions WxHxD 46x125x102mm

### Versions of this model group:

[114455603](#) DIN rail PoE injector IEEE 802.3bt 70W 10..60V DC

## 8 port Industrial PoE injector 8x high PoE IEEE 802.3at/af



Industrial Power over Gigabit Ethernet injector with 8x 10/100/1000MBit/s 1000Base-T RJ-45 PoE ports according to IEEE 802.3at (max. 30W /port) and IEEE 802.3af standard. Fanless metal case, dimensions WxDxH 190x140x43mm, optional 19" bracket for 1 or 2 devices available. Extended temperature range, operating temperature -40°C..+70°C. Approvals CE mark Class A, FCC Class A.

### Versions of this model group:

[09615484](#) 8 port PoE injector 8x high PoE according to IEEE 802.3at/af e

### Accessories

[09615556](#) 19" bracket for 1x 09615484

[09615557](#) 19" bracket for 2x 09615484

[Other accessories in the Online Shop](#)

# PoE Power over Ethernet Splitter

## Industrial PoE splitter 12W IEEE 802.3af with overvoltage prote



Industrial PoE Power over Ethernet splitter with integrated overvoltage protection for the operation of non PoE enabled end devices with voltage via the Ethernet cable from the PoE port. Input: 42..60V DC Power over Ethernet (PoE) according to IEEE 802.3af, output: 12W, output voltage see selection box, operating temperature -25..+60°C, 100Base-TX Fast Ethernet 10/100MBit/s, dimensions: 85x76x36mm, optional for mounting on 35mm DIN rail. Additional splitter for Gigabit Ethernet and up to 25W see product group 1144625.

### Versions of this model group:

- [114461403](#) PoE splitter 3.3V DC 12W 3.63A -25..+60°C
- [114461405](#) PoE splitter 5V DC 12W 2.4A -25..+60°C
- [114461409](#) PoE splitter 9V DC 12W 1.33A -25..+60°C
- [114461412](#) PoE splitter 12V DC 12W 1.0A -25..+60°C
- [114461424](#) PoE splitter 24V DC 12W 0.5A -25..+60°C
- [114461503](#) PoE splitter 3.3V DC 12W 3.63A -25..+60°C for DIN rail
- [114461505](#) PoE splitter 5V DC 12W 2.4A -25..+60°C for DIN rail
- [114461509](#) PoE splitter 9V DC 12W 1.33A -25..+60°C for DIN rail
- [114461512](#) PoE splitter 12V DC 12W 1.0A -25..+60°C for DIN rail
- [114461524](#) PoE splitter 24V DC 12W 0.5A -25..+60°C for DIN rail

### Accessories

- [000100001](#) DC cable 20cm with DC socket for screw terminal
- [Other accessories in the Online Shop](#)

## PoE splitter IEEE 802.3at high PoE 25W Gigabit Ethernet



PoE Power over Ethernet splitter for 1000Base-T high-PoE (PoE+) applications according to IEEE 802.3at and IEEE 802.3af. Input: 40..60V DC PoE, output: 25W, output voltage see selection box, for Gigabit Ethernet 10/100/1000MBit/s. Dimensions: 85x76x36 mm, optional for mounting on 35mm DIN rail.

### Versions of this model group:

- [114462512](#) PoE splitter 40..60V DC 12V / 2.08A 25W GbE 802.3at
- [114462524](#) PoE splitter 40..60V DC 24V / 1.04A 25W GbE 802.3at
- [114462612](#) PoE splitter 40..60V DC 12V / 2.08A 25W GbE 802.3at DIN rail
- [114462624](#) PoE splitter 40..60V DC 24V / 1.04A 25W GbE 802.3at DIN rail

### Accessories

- [000100001](#) DC cable 20cm with DC socket for screw terminal
- [Other accessories in the Online Shop](#)

## **VDSL2 Verbindung entfernter Ethernet Segmente (2-draht)**

Industrial VDSL2 master/slave bridge with 4x Gigabit Ethernet



Industrial Ethernet VDSL2 bridge for transmission of Ethernet signals via RJ-11 2-wire lines (min. AWG-24) or coaxial cable. Max. distance: Coaxial up to 1.2km 2-wire up to 1.2km. LAN: 4x 1000Base-T 10/100/1000MBit/s RJ-45 ports.

Dimensions: 135x87.8x32mm (HxDxW), input voltage 12V..48V DC or 24V AC (max. 0.4A), power consumption 5.7W, operating temperature -40°C..+75°C, relative humidity 5%..95% non condensing.

### **Versions of this model group:**

[101423401](#) Industrial Ethernet VDSL2 extender 1x RJ11 1xBNC 4x RJ-45 GbE

### **Accessories**

[11524024R](#) Power supply DIN rail 85..264V AC -> 24V DC 1.7A 40W -20..70°C

[Other accessories in the Online Shop](#)

# **Fast and Gigabit Ethernet 19" Switch Technology**

## **19" 24 port Gigabit Ethernet modular switch managed**



24 port managed Gigabit Ethernet modular switch with 3 slots for 8 port Fast Ethernet / Gigabit Ethernet modules with SFP slots rsp. Ports for RJ-45, fiber optic ST/BFOC or SC connector. Operating voltage 100..240V AC or 40..72V DC, dimensions 443x245x43mm 1HU, delivery incl. 19"-mounting kit.

Management: Console CLI, Telnet CLI, web, SNMP v1/v2C/v3, SSH, HTTPS, VLAN, QoS, LACP, STP, RSTP, MSTP, IGMP, DHCP client, ACL, SNTP client, LLDP, 802.1X RADIUS authentication, bandwidth control, Broadcast Storm control, Configuration download/upload.

### **Versions of this model group:**

[09615244](#) 24-port Gigabit Ethernet modular switch managed 100-240V AC

[09615245](#) 24-port Gigabit Ethernet modular switch managed 40V..72V DC

[09613865](#) GbE switch module 8x 10/100/1000MBit/s 1000Base-T RJ-45 ports

[09613866](#) GbE switch module 8x 100/1000MBit/s 1000Base-X SFP slots

[09613867](#) GbE switch module 4x 1000Base-T RJ-45 4x 100/1000MBit/s SFP

[09613868](#) Fast Ethernet module 8x 100Base-FX multimode ST

[09613869](#) Fast Ethernet module 8x 100Base-FX multimode SC

[09613870](#) Fast Ethernet module 8x 100Base-FX monomode SC 20km

[09613873](#) Fast/Gigabit Ethernet module 2x 1000Base-T, 6x100Base-FX MM ST

[09613874](#) Fast/GbE module 2x 1000Base-T 6x 100Base-FX SC 2km

[09613875](#) Fast/GbE module 2x1000Base-T, 6x100Base-FX SC 20km

### **Accessories**

[12233405](#) SFP 1000Base-SX multimode 850nm LC 550m -40..+85°C DDM

[12233402](#) SFP 1000Base-SX multimode 1310nm LC 2km -40..+85°C DDM

[12233420](#) SFP 1000Base-LX singlemode 1310nm LC 20km -40..+85°C DDM

[12233202](#) SFP 100Base-FX multimode 1310nm LC 2km -40..+85°C

[12233220](#) SFP 100Base-FX singlemode 1310nm LC 20km -40..+85°C

[Other accessories in the Online Shop](#)

## **24 port L3 managed GbE switch 24x 1000Base-T 4x SFP**



Industrial GbE switch with 24x 10/100/1000 MBit/s 1000Base-T RJ-45, thereof 4 combo ports with 100/1000MBit/s dual speed SFP slots. L2/L3 management functions, Green Ethernet, alarm relay, extended temperature range, operating temperature -30°C..+60°C, dimensions WxDxH 443x280x43mm, mounting 19" 1HU, approvals CE mark Class A, FCC Class A, VCCI Class A, EN50121-4. Optional without PoE support operating voltage 100V..240V AC or with PoE support 24x 30W operating voltage 45V..57V DC PoE according to IEEE 802.3af or 51V..57V DC according to IEEE 802.3at.

### **Versions of this model group:**

[09615315](#) 24 port Gigabit Ethernet L3 switch 24x 1000Base-T 4x SFP AC

[09615316](#) 24 port DC GbE L3 switch high PoE 24x 1000Base-T 4x SFP DC

### **Accessories**

[09614434](#) Power supply 19" In: 100..264V AC Out: 54V DC 1000W

[12233405](#) SFP 1000Base-SX multimode 850nm LC 550m -40..+85°C DDM

[12233402](#) SFP 1000Base-SX multimode 1310nm LC 2km -40..+85°C DDM

[12233420](#) SFP 1000Base-LX singlemode 1310nm LC 20km -40..+85°C DDM

[Other accessories in the Online Shop](#)

# **Fast Ethernet Media Converters for Office Environments**

## Fast Ethernet f/o converter multimode/Singelmode/BiDi/CWDM RI



Fast Ethernet desktop media converter with 1x 10/100MBit/s 100Base-TX RJ-45 port and 1x 100Base-FX multimode / singlemode (monomode) / BiDi (WDM / SingleFiber) or CWDM port, optimized latency, auto-negotiation, auto MDI/MDI-X, dimensions 108x75.5x23mm, operating voltage +5V..+12V DC, consumption max. 2W. Operating temperature -5°C..+50°C, RH 5..95% non condensing, FCC class B, CE class B, remote port status (LED), 19" rack installation with product group 0961138 or 0961398.

### **Versions of this model group:**

- [09611308](#) Fast Ethernet fiber optic converter multimode SC
- [09611403](#) Fast Ethernet fiber optic converter multimode ST / BFOC
- [09611406](#) Fast Ethernet fiber optic converter monomode SC 20km
- [09613634](#) Fast Ethernet fiber optic converter monomode SC 30km
- [09611408](#) Fast Ethernet fiber optic converter monomode SC 60km
- [09613637](#) Fast Ethernet fiber optic converter monomode SC 120km
- [09612466](#) Fast Ethernet f/o converter BiDi WDM TX:1310 RX:1550nm SC 40
- [09612268](#) Fast Ethernet f/o converter BiDi WDM TX:1550 RX:1310nm SC 40

### **Accessories**

- [09611428](#) DIN rail mounting kit
- [09612138](#) USB cable for power supply
- [09613989](#) 19" frame for 4 media converters with power supply
- [09613990](#) 19" frame for 4 media converters without power supply

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# **Gigabit Ethernet Media Converters for Office Environments**

## Gigabit Ethernet media converter incl SFP module LC



Gigabit Ethernet media converter with 1x 1000MBit/s 1000Base-T RJ-45 port and 1x SFP slot incl. 1000Base-X multimode / singlemode (monomode) or BiDi (WDM / SingleFiber) SFP module for LC connector. Direct media conversion, full wire speed, transparent, no packet length limitation. Operating temperature -5°C..55°C, RH 10..90% non condensing, dimensions 108x72.5x23mm. 19" mounting see product group 0961138 or 0961398. DIN rail see item 09611428 (selection box).

### **Versions of this model group:**

- [09612023](#) GbE media converter with multimode SFP 850nm 500m
- [09613770](#) GbE media converter with multimode SFP 1310nm 2km
- [09612024](#) GbE fiber optic converter with monomode SFP 1310nm 10km
- [09612025](#) GbE fiber optic converter with monomode SFP 1310nm 20km
- [09614368](#) GbE fiber optic converter with monomode SFP 1310nm 30km
- [09614354](#) GbE fiber optic converter with monomode SFP 1550nm 50km
- [09612027](#) GbE fiber optic converter with monomode SFP 1550nm 70km
- [09612028](#) GbE media converter with BiDi SFP SM 10km T:1310nm R:1550nm
- [09612031](#) GbE media converter with BiDi SFP SM 10km T:1550nm R:1310nm
- [09612029](#) GbE media converter with BiDi SFP SM 20km T:1310nm R:1550nm
- [09612032](#) GbE media converter with BiDi SFP SM 20km T:1550nm R:1310nm
- [09612030](#) GbE media converter with BiDi SFP SM 40km T:1310nm R:1550nm
- [09612033](#) GbE media converter with BiDi SFP SM 40km T:1550nm R:1310nm

### **Accessories**

- [09611428](#) DIN rail mounting kit
- [09612138](#) USB cable for power supply
- [09613989](#) 19" frame for 4 media converters with power supply

[09613990](#) 19" frame for 4 media converters without power supply

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## Gigabit Ethernet media converter SFP LC managed



Gigabit Ethernet bridging media converter in a desktop chassis with 1x 10/100/1000MBit/s 1000Base-T RJ-45 port and 1x 100/1000MBit/s dual speed 1000Base-X slot for 1000Base-X SFP modules, web management 802.1Q VLAN, QoS, SNMP Traps, Loop Back test, 9600 Bytes Jumbo Frames, operating temperature -40°C..70°C (wall wart 0..40°), dimensions 108x72.5x23mm. Approvals FCC Class A, CE mark Class A, VCCI Class A, C-Tick. 19" mounting see product group 0961138 or 0961398 DIN rail see item 09611428 (selection box).

### Versions of this model group:

[09614811](#) GbE f/o converter 10/100/1000MBit/s RJ-45 1000Base-SX LC 500m

[09614812](#) GbE f/o converter 10/100/1000MBit/s RJ-45 1000Base-SX LC 2km

[09614813](#) GbE f/o converter 10/100/1000MBit/s RJ-45 1000Base-LX LC 10km

[09614814](#) GbE f/o converter 10/100/1000MBit/s RJ-45 1000Base-LX LC 20km

[09614815](#) GbE f/o converter 10/100/1000MBit/s RJ-45 1000Base-LX LC 30km

[09614817](#) GbE f/o converter 10/100/1000MBit/s RJ-45 1000Base-LX LC 50km

[09614818](#) GbE f/o converter 10/100/1000MBit/s RJ-45 1000Base-LX LC 70km

[09615461](#) GbE f/o converter 10/100/1000MBit/s RJ-45 1000Base-LX LC 110km

[09614819](#) GbE media converter RJ45 singlemode BiDi A 10km

[09614821](#) GbE media converter RJ45 singlemode BiDi B 10km

[09614820](#) GbE media converter RJ45 singlemode BiDi A 20km

[09614822](#) GbE media converter RJ45 singlemode BiDi B 20km

[09615573](#) managed Fast Ethernet f/o converter 100Base-FX MM LC 2km

[09615574](#) managed Fast Ethernet f/o converter 100Base-FX SM LC 30km

[09615575](#) managed Fast Ethernet f/o converter 100Base-FX SM LC 60km

### Accessories

[09611428](#) DIN rail mounting kit

[09613989](#) 19" frame for 4 media converters with power supply

[09611380](#) 19" rack 1x 90..264V AC

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## Multimode / Singlemode Media Converters for Office Environments

### Fast Ethernet multimode to singlemode fiber optic converter



Ethernet multimode to singlemode media converter for Fast Ethernet with two SFP modules, the secure alternative to mode conditioning cables. Full wire speed. Power supply and SFP modules included in scope of delivery. Optional 19" frame, DIN rail mounting bracket, USB cable for input power (see selection box).

### Versions of this model group:

[09612971](#) Fast Ethernet multimode to singlemode media converter 30km

[09612972](#) Fast Ethernet multimode to singlemode media converter 60km

[09612973](#) Fast Ethernet multimode to singlemode media converter 100km

## **Accessories**

[09611428](#) DIN rail mounting kit

[09612138](#) USB cable for power supply

[09613989](#) 19" frame for 4 media converters with power supply

[09613990](#) 19" frame for 4 media converters without power supply

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## **Gigabit Ethernet multimode to singlemode fiber optic converter**



Ethernet multimode to singlemode media converter for Gigabit Ethernet with two SFP modules, the secure alternative to mode conditioning cables. Full wire speed. Power supply and SFP modules included in scope of delivery. Optional 19" frame, DIN rail mounting bracket, USB cable for input power (see selection box).

### **Versions of this model group:**

[09612976](#) Gigabit Ethernet multimode to singlemode f/o converter 10km

[09612977](#) Gigabit Ethernet multimode to singlemode f/o converter 20km

[09612978](#) Gigabit Ethernet multimode to singlemode f/o converter 30km

[09612979](#) Gigabit Ethernet multimode to singlemode f/o converter 50km

[09612980](#) Gigabit Ethernet multimode to singlemode f/o converter 70km

## **Accessories**

[09611428](#) DIN rail mounting kit

[09612138](#) USB cable for power supply

[09613989](#) 19" frame for 4 media converters with power supply

[09613990](#) 19" frame for 4 media converters without power supply

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# **19" Racksystem for Office Media Converters**

## **19" frame for 4 media converters**



Frame for inclusion of max. 4 fiber optic converters in a 19" distributor. For Fast and Gigabit Ethernet media converter (product groups 0961177 0961205 0961300D 0961300M 0961310 0961311FX 0961311LX 0961350R and 0961351C) optional with 4-fold power supply 12V, 2A.

### **Versions of this model group:**

[09613989](#) 19" frame for 4 media converters with power supply

[09613990](#) 19" frame for 4 media converters without power supply

## **19" frame for fiber optic converter**



Fiber optic converter housing for max. 16 Fast and Gigabit Ethernet media converters of series 0961300D and 0961300M, 2HU, operating current: 90..264V AC, 60W, WxHxD 443x88x300mm, operating temperature -5°C..40°C, RH 5%..95% non-condensing, optional redundant power supply and / or management support.

### **Versions of this model group:**

[09611380](#) 19" rack 1x 90..264V AC

[09611381](#) 19" rack 2x 90..264V AC

[09611383](#) 19" rack 1x 90..264V AC, managed

[09611382](#) 19" rack 2x 90..264V AC, managed

[09611845](#) 1x 48V DC

[09611846](#) 2x 48V DC redundant

[09611847](#) 1x 48V DC, managed

[09611848](#) 2x 48V DC redundant, managed

# **Network Server Adapter (NIC) with SFP Slot**

## GbE PCI Express X1 NIC SFP PCIe v2.1, Intel I350 based



Gigabit Ethernet SFP Server adapter for the high-performance connection of servers at a Gigabit Ethernet fiber optic network. Features: PCI Express\* Gen 2.1 5GT/s, iSCSI, Intel® VT-c, QoS, PCI-SIG SR-IOV, FPP, TCP Segmentation Offload, Checksum Offload, IEEE802.3az Energy Efficient Ethernet (EEE), DMA Coalescing, VMLB, 802.1q VLAN support, APM, ACPI v2.0c, MCTP. Power consumption typical 6W, operating temperature 0°C..55°C, RH max. 90% non condensing at 35°C.

### **Versions of this model group:**

[13199250](#) GbE PCI Express X1 NIC SFP PCIe v2.1, Intel I350 based

### **Accessories**

[12233405](#) SFP 1000Base-SX multimode 850nm LC 550m -40..+85°C DDM

[12233402](#) SFP 1000Base-SX multimode 1310nm LC 2km -40..+85°C DDM

[12233420](#) SFP 1000Base-LX singlemode 1310nm LC 20km -40..+85°C DDM

[12233401](#) SFP 1000Base-T 10/100/1000Mbps RJ-45 100m 0..+85°C

[122354053](#) SFP GbE BiDi multimode TX/RX 1310/1550nm LC 500m -40~85°C

[122354055](#) SFP GbE BiDi multimode TX/RX 1550/1310nm LC 500m -40~85°C

[122354203](#) SFP GbE BiDi singlemode TX/RX:1310/1550nm LC 20km -40~85°C DDM

[122354205](#) SFP GbE BiDi singlemode TX/RX:1550/1310nm LC 20km -40~85°C DDM

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## 10GbE PCI Express X8 NIC SFP+ PCIe v2.0, Intel 82599EN based



10 Gigabit Ethernet SFP+ Server adapter for high performance connection of servers in data Center environments, designed on maximum throughput and minimum latency. Features: PCI-SIG SR-IOV, FCoE, CEE, iSCSI, IPsec offload, PCIe v2.0 5GT/s, Load balancing on multiple CPUs, Time Sync IEEE 1588, 802.1as, VMDq1 (64 queues per port), Virtual Machine Load Balancing (VMLB), VLAN support with VLAN tag insertion, stripping and packet filtering for up to 4096 VLAN tags, PXE, SNMP, RMON, Watchdog Timer. Low Profile bracket included in delivery.

### **Versions of this model group:**

[13199801](#) 10GbE PCI Express X8 NIC SFP+ PCIe v2.0, Intel 82599EN based

[13199802](#) 10GbE PCIe X8 NIC 2x SFP+ PCIe v2.0, Intel 82599EN based

### **Accessories**

[12233903](#) SFP+ 10GBase-SR multimode 850nm 300m 0..+70°C DDM

[12233910](#) SFP+ 10GBase-LR singlemode 1310nm 10km 0..+70°C DDM

[122303900](#) 10GbE SFP+ DAC Twinax cable passive 0,50m

[122303901](#) 10GbE SFP+ DAC Twinax cable passive 1,00m

[122303902](#) 10GbE SFP+ DAC Twinax cable passive 2,00m

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# **Serial Signals via Ethenet Network**

## **Industrial RS-232/RS-422/RS-485 to Fast Ethernet converter**



The device Server converts RS-232 or RS-422 / RS-485 COM ports according to Ethernet TCP/IP and vice versa. Serial: RS-232 at DB9, RS-422/RS485 at screw terminal max. 921600bps, Ethernet: 100Base-TX 10/100MBit/s Fast Ethernet RJ-45 port or 100Base-FX 100MBit/s fiber optic port, protection class IP30, operating temperature see selection box, dimensions WxDxH 135x97x32mm, input voltage 12..48V DC, consumption 10.1W, alarm contact for report of power failure, for fastening on 35mm DIN rail.

### **Versions of this model group:**

[101421000](#) Industrial RS232/RS-422/RS485 to Ethernet RJ-45 - 10..+60°C

[101421001](#) Industrial RS232/RS-422/RS485 to Ethernet SFP -40..+75°C

### **Accessories**

[11524024R](#) Power supply DIN rail 85..264V AC -> 24V DC 1.7A 40W - 20..70°C

[12233202](#) SFP 100Base-FX multimode 1310nm LC 2km -40..+85°C

[12233220](#) SFP 100Base-FX singlemode 1310nm LC 20km -40..+85°C

[Other accessories in the Online Shop](#)

# **Serial Fiber Optic Converters EIA-232 / RS-232**

## **RS-232 fiber optic converter DIN rail mountable 3-channel**



Fiber optic converter transmits RS-232 signals transparent via multimode or singlemode (monomode) optical fiber. D-Sub9 socket, DCE, transmits handshake (RTS, CTS, DTR, DSR), optical isolation between RS-232 and main circuitry, ESD-protection and overvoltage protection (RS232), relay signal contact for power failure, fanless metal case, dimensions WxDxH 28x82x95mm, mounting on 35mm DIN rail, operating temperature -30..+70°C, operating voltage +7V..+30V DC at screw terminal or DC socket.

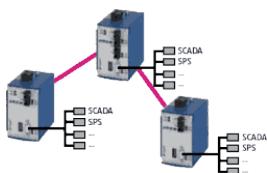
### **Versions of this model group:**

- [09612577](#) RS-232 fiber optic converter multimode ST / BFOC 2km
- [09612436](#) RS-232 fiber optic converter multimode SC 2km
- [09612578](#) RS-232 fiber optic converter singlemode SC 20km
- [09612579](#) RS-232 fiber optic converter singlemode BiDi A SC 20km
- [09612580](#) RS-232 fiber optic converter singlemode BiDi B SC 20km

### **Accessories**

- [09614144](#) Wall mounting kit

## **Industrial fiber optic converter RS232 / multimode / singlemode**



EIA-232 (RS-232) fiber optic transceiver (Modem / media converter) for active coupling of RS-232 FDX lines with fiber optic transmission lines. 9pin Sub-D RS-232 asynchronous Xon/Xoff, DTE/DCE (switchable), full duplex, signal delay RS232-fiber optic: 500ns, mounting: 35mm DIN rail, housing stainless steel, powder coated, dimensions 115x61x113mm (HxWxD), operating voltage 12..30V DC, operating temperature -40..+70°C. Fiber optic: Multimode / singlemode

### **Versions of this model group:**

- [095901121](#) RS-232 f/o converter multimode 1300nm ST / BFOC -40..+75°C
- [095901123](#) RS-232 fiber optic converter multimode 1300nm SC -40..+70°C
- [095901171](#) RS-232 f/o converter 2x multimode 1300nm ST / BFOC -40..+70°C
- [095901173](#) RS-232 fiber optic converter 2x multimode 1300nm SC -40..+70°C
- [095901131](#) RS-232 f/o converter singlemode 1300nm ST / BFOC -40..+75°C
- [095901133](#) RS-232 fiber optic converter singlemode 1300nm SC -40..+75°C

### **Accessories**

- [11522024R](#) Power supply DIN rail 85..264V AC -> 24V DC 1.0A 24W -20..70°C

## **analogue measurement data (current interface / voltage interface)**

### **4-port fiber optic bridge analogue 0..20mA current interface**



Analogue fiber optic bridge for up to 4 analogue 0..20mA current interfaces via a fiber optic connection. Wavelength 1310nm, connector ST/BFOC, SC or E2000, dimensions WxHxD 60x100x113mm without fiber optic port and clamp terminals, operating temperature SC or ST/BFOC -40°C..+70°C (see selection box), operating voltage 12V..30V DC. On request operating voltage up to 70V DC or distances up to 100km possible.

#### **Versions of this model group:**

- [09591521](#) Fiber optic transmitter 4x analogue 0..20mA multimode ST/BFOC
- [09591523](#) Fiber optic transmitter 4x analogue 0..20mA multimode SC
- [09591531](#) Fiber optic transmitter 4x analogue 0..20mA singlemode ST/BFOC
- [09591533](#) Fiber optic transmitter 4x analogue 0..20mA singlemode SC
- [09591535](#) f/o transmitter 4x 0..20mA SM E2000 transmitter -20..55°C
- [09592521](#) Fiber optic receiver 4x analogue 0..20mA multimode ST/BFOC
- [09592523](#) Fiber optic receiver 4x analogue 0..20mA multimode SC
- [09592531](#) Fiber optic receiver 4x analogue 0..20mA singlemode ST/BFOC
- [09592533](#) Fiber optic receiver 4x analogue 0..20mA singlemode SC
- [09592535](#) Fiber optic receiver 4x 0..20mA singlemode E2000 -20..55°C

#### **Accessories**

- [11522024R](#) Power supply DIN rail 85..264V AC -> 24V DC 1.0A 24W -20..70°C

### **4-port fiber optic bridge analogue 0..10V voltage interface**



Analogue fiber optic bridge for up to 4 analogue 0..10V voltage interfaces via a fiber optic connection. Wavelength 1310nm, connector ST/BFOC, SC or E2000, dimensions WxHxD 60x100x113mm without fiber optic port and clamp terminals, operating temperature -40°C..+70°C, operating voltage 12V..30V DC. On request voltage up to 70V DC or distances up to 100km possible.

#### **Versions of this model group:**

- [09591121](#) Fiber optic transmitter 4x analogue 0..10V multimode ST / BFOC
- [09591123](#) Fiber optic transmitter 4x analogue 0..10V multimode SC
- [09591131](#) Fiber optic transmitter 4x analogue 0..10V SM ST / BFOC
- [09591133](#) Fiber optic transmitter 4x analogue 0..10V singlemode SC
- [09592121](#) Fiber optic receiver 4x analogue 0..10V multimode ST/BFOC
- [09592123](#) Fiber optic receiver 4x analogue 0..10V multimode SC
- [09592131](#) Fiber optic receiver 4x analogue 0..10V singlemode ST/BFOC
- [09592133](#) Fiber optic receiver analogue 0..10V singlemode SC

#### **Accessories**

- [11522024R](#) Power supply DIN rail 85..264V AC -> 24V DC 1.0A 24W -20..70°C

## **Digital switching signals**

### **Fiber optic bridge transmitter/receiver for 8x 12V-24V signals**



Fiber optic transmitter and receiver for up to 8x 12V - 24V DC digital switching signals / control signals via fiber optic lines (Multimode or singlemode optical fiber), operating voltage 12V..30V DC, operating temperature -40°C..+70°C. Mounting on 35mm DIN rail. Receiver: separate voltage-input for signal output with 500V DC isolation against operating voltage. Alternatively relay-output.

#### **Versions of this model group:**

- [095931321](#) Fiber optic transmitter 8x 12V-24V signal multimode ST/BFOC
- [095901323](#) Fiber optic transmitter 8x 12V-24V signal multimode SC
- [095931331](#) Fiber optic transmitter 8x 12V-24V signal singlemode ST/BFOC
- [095931333](#) Fiber optic transmitter 8x 12V-24V signal singlemode SC
- [095932321](#) Fiber optic receiver 8x 12V-24V signal multimode ST/BFOC

- [095932323](#) Fiber optic receiver 8x 12V-24V signal multimode SC  
[09598321R](#) Fiber optic receiver 8x switching signal MM ST/BFOC -> relay  
[09590323R](#) Fiber optic receiver 8x switching signal multimode SC -> relay  
[095932331](#) Fiber optic receiver 8x 12V-24V signal singlemode ST/BFOC  
[095932333](#) Fiber optic receiver 8x 12V-24V signal singlemode SC  
[09598331R](#) Fiber optic receiver 8x switching signal SM ST/BFOC -> relay  
[09598333R](#) Fiber optic receiver 8x switching signal SM SC -> relay

#### Accessories

- [11522024R](#) Power supply DIN rail 85..264V AC -> 24V DC 1.0A 24W -20..70°C  
[063600001](#) 19" panel with DIN rail for network-distribution racks

### Fiber optic bridge transmitter/receiver for 12x 12V-24V signals



Fiber optic transmitter and receiver (see selection box) for up to 12x 12-24V DC digital switching signals via fiber optic lines (Multimode optical fiber or singlemode optical fiber), signal output 12V .. 24V DC (separate input voltage). Operating voltage 12V..30V DC, consumption 5W, operating temperature -40°C..+70°C. Housing stainless steel powder coated, dimensions HxWxD 100x60x113mm (without connector).

#### Versions of this model group:

- [095921321](#) Fiber optic transmitter 12x 12-24V DC, link: Multimode ST/BFOC  
[095921323](#) Fiber optic transmitter 12x 12-24V DC multimode SC  
[095921331](#) f/o transmitter 12x 12-24V DC - link: Singlemode ST/BFOC  
[095921333](#) Fiber optic transmitter 12x 12-24V DC - link: Singlemode SC  
[095922321](#) Fiber optic receiver 12x 12-24V DC - link: Multimode ST/BFOC  
[095922323](#) Fiber optic receiver 12x 12-24V DC - link: Multimode SC  
[095922331](#) Fiber optic receiver 12x 12-24V DC - link: Singlemode ST/BFOC  
[095922333](#) Fiber optic receiver 12x 12-24V DC - link: Singlemode SC

#### Accessories

- [11522024R](#) Power supply DIN rail 85..264V AC -> 24V DC 1.0A 24W -20..70°C  
[063600001](#) 19" panel with DIN rail for network-distribution racks

### Fiber optic bridge 12V-24V digital 4x send, 4x receive relay



Fiber optic bridge for digital IO switching signals, 4x transmit 12V - 24V DC, 4x receive relay contact output. Optical fiber link wavelength 1310nm. Signal: Input (transmit) 12V - 24V DC / 5mA, output relay. Operating voltage 12V - 30V DC, consumption 5W, isolation 500V DC, operating temperature -40°C - +70°C, error relay output 25V DC 1A, housing stainless steel powder coated, dimensions HxWxD 115x61x113mm.

#### Versions of this model group:

- [09592321R](#) f/o bridge digital 4x send, 4x receive relay, MM ST/BFOC  
[09592323R](#) Fiber optic bridge digital 4x send, 4x receive relay, MM SC  
[09592333R](#) Fiber optic bridge digital 4x send, 4x receive relay, SM SC

#### Accessories

- [11522024R](#) Power supply DIN rail 85..264V AC -> 24V DC 1.0A 24W -20..70°C  
[063600001](#) 19" panel with DIN rail for network-distribution racks

# **power supply for 12V DC, 24V DC and 48-56V DC**

## **Power supplies DIN rail mountable 12V DC**



Power supplies for 35mm DIN rail and wall warts, input voltage see selection box, output voltage: 12V DC.

### **Versions of this model group:**

[10154512R](#) Power supply DIN rail 85~264V AC -> 12V DC 3.5A 45W - 10..+50°C

[10157512R](#) Power supply DIN rail 85~264V AC -> 12V DC 6.3A 75W - 10..+60°C

[115212012](#) Power supply DIN rail 88~264V AC -> 12V DC 10.0A 120W - 25~+70°

### **Accessories**

[063600001](#) 19" panel with DIN rail for network-distribution racks

## **Power supplies DIN rail mountable 24V DC**



Power supply for 35mm DIN rail, input voltage see selection box, output voltage 24V DC.

### **Versions of this model group:**

[11522024R](#) Power supply DIN rail 85..264V AC -> 24V DC 1.0A 24W - 20..70°C

[11524024R](#) Power supply DIN rail 85..264V AC -> 24V DC 1.7A 40W - 20..70°C

[10157524R](#) Power supply DIN rail 85..264V AC -> 24V DC 3.2A 76W - 10..60°C

[101512024](#) Power supply DIN rail 88~264V AC -> 24V DC 5.0A 120W - 10..60°C

[115212024](#) Power supply DIN rail 88~264V AC -> 24V DC 5.0A 120W - 25~+70°C

### **Accessories**

[063600001](#) 19" panel with DIN rail for network-distribution racks

## **Power supplies DIN rail mountable 48V DC**



Power supply for 35mm DIN rail, input voltage see selection box, output voltage 48V DC

### **Versions of this model group:**

[11526048R](#) Power supply DIN rail 85~264V AC -> 48V DC 1.25A 60W - 20..+70°C

[10157548R](#) Power supply DIN rail 85~264V AC -> 48V DC 1.6A 76W - 10..+60°C

[115212401](#) Power supply DIN rail 90~264V AC -> 48V DC 2.5A 120W - 20..+70°C

[115212048](#) Power supply DIN rail 88~264V AC -> 48V DC 2.5A 120W - 25~+70°C

[115224048](#) Power supply DIN rail 88~264V AC -> 48V DC 5.0A 240W - 25~+70°C

### **Accessories**

[063600001](#) 19" panel with DIN rail for network-distribution racks

## **Plug-in power supply 18W -30..+70°C**



18W plug-in power supply input voltage 85V..264V AC, output voltage: s. Selection box, energy efficiency level VI, no load power consumption < 0.075W, protection against short circuit, overload, overvoltage. Plastic case, power ON LED, operating temperature -30°C ... +70°C (>50°C derating), relative humidity 20% .. 90% non condensing, dimensions LxWxH 79x54x33mm. Inner contact = +.

### **Versions of this model group:**

[115218051](#) Plug-in power supply 5V 18W 3.00A -30..+70°C

[115218121](#) Plug-in power supply 85..264V AC -> 12V DC 1.5A 18W -  
30..+70°C

[115218241](#) Plug-in power supply 24V 18W 0.75A -30..+70°C

## Power supply 19" 48/52/54V DC 300W/1000W for PoE and PoE Plus



Power supply for devices with PoE and PoE Plus (high PoE) function, input 100..264V AC, output s. Selection box, cooling: Active fan, short-circuit proof, overload protection, EN60950, EN55022 class B, EN61000-3-2, EN61000-3-3, EN61000-6-2, dimensions 325x210x43mm 1HU, operating temperature 300W: -40°C up to +64°C (derating > 50°C), 1000W: -20°C up to +60°C (derating > 50°C), relative humidity 10% .. 95% non condensing.

### Versions of this model group:

[09614429](#) Power supply 19" In: 100..264V AC Out: 48V DC 300W

[09614432](#) Power supply 19" In: 100..264V AC Out: 48V DC 1000W

[09614430](#) Power supply 19" In: 100..264V AC Out: 52V DC 300W

[09614433](#) Power supply 19" In: 100..264V AC Out: 52V DC 1000W

# **DIN Rail fiber optic distributor**

## **DIN-rail fiber optic distributor, assembled, 1x MTP / 6x LC dx**



Fiber optic distributor box for mounting in a control cabinet on 35mm DIN rail, assembled with 12 fibers, 1x MTP/MPO to 6x LC duplex multimode or singlemode (monomode). Ready to use as plug-and-play installation s. Selection box.

### **Versions of this model group:**

[120120623](#) DIN-rail f/o distributor, assembled, MTP / 6x LC dx MM OM3

[120120620](#) DIN-rail f/o distributor, assembled, MTP / 6x LC dx SM OS2

## **Optical Fiber Patch Cord in Stock Lengths and Made-to-Order**

Artikel [080400002](#) Fiber optic patch cord and adapter cable termination



Fiber optic patch cord made-to-order termination simplex, duplex or I-V(ZN)HH (breakout / flat duplex), multimode OM1, OM2, OM3, OM4 or singlemode (monomode) OS2, cut/polish: PC, UPC/HRL or APC angle-polished, connector: ST / BFOC / SC / LC / FC / E2000 / F-SMA - prices requestable in our configurator.

### **stock items**

- [1104180](#) Fiber optic patch cord duplex ST/ST (BFOC/BFOC) SM 9/125µm
- [1104183](#) Fiber optic patch cord duplex ST/ST (BFOC/BFOC) MM OM3 50/125µm
- [1104200](#) Fiber optic patch cord duplex ST/SC (BFOC/SC) SM 9/125µm
- [1104203](#) Fiber optic patch cord duplex ST/SC (BFOC/SC) MM OM3 50/125µm
- [1104220](#) Fiber optic patch cord duplex SC/SC SM (monomode) 9/125µm
- [1104223](#) Fiber optic patch cord duplex SC/SC multimode OM3 50/125µm
- [1104540](#) Fiber optic patch cord duplex LC/LC singlemode 9/125µm
- [1104543](#) Fiber optic patch cord duplex LC/LC multimode OM3 50/125µm
- [1104560](#) Fiber optic patch cord duplex ST/LC (BFOC/LC) SM 9/125µm
- [1104563](#) Fiber optic patch cord duplex ST/LC (BFOC/LC) MM OM3 50/125µm
- [1104580](#) Fiber optic patch cord duplex SC/LC SM (monomode) 9/125µm
- [1104583](#) Fiber optic patch cord duplex SC/LC multimode OM3 50/125µm

## **Optical Fiber Breakout and Tight Buffered Cable**

Artikel [080400001](#) Fiber optic breakout cable - terminated



Fiber optic breakout cable (full breakout) I-V(ZN)HH. Made-to-order termination multimode OM1, OM2, OM3, OM4 or singlemode (monomode) OS2 with connectors of your choice optional on one side or on both sides with pulling- and protection element.

## **Optical Fiber Loose Tube Cable**

Artikel [018600002](#) Pre terminated f/o outdoor cable with connector termination



Rugged fiber optic loose tube outdoor cable with rodent protection, longitudinal- and radial water protection, A-DQ(ZN)B2Y, made-to-order termination multimode OM2, OM3, OM4 or singlemode (monomode) OS2 with connectors of your choice, optional on one side or on both sides with pulling- and protection element. DIN rail mountable by use of MPO/MTP connectors in combination with item group 12012062 possible. For indoor cable see item 018600004.

Artikel [018600004](#) Factory terminated indoor/outdoor fiber optic cable, loose tube



Rugged fiber optic loose tube indoor cable / outdoor cable LSZH with rodent protection and longitudinal- and radial water protection for Indoor and outdoor laying, U-DQ(ZN)BH, made-to-order termination multimode OM2, OM3, OM4 or singlemode (monomode) OS2 with connectors of your choice, optional on one side or on both sides with pulling- and protection element. DIN rail mountable by use of MPO/MTP connectors in combination with item group 12012062 possible. For burial laying or increased UV-protection see item 018600002.

## **Fiber Optic Checker**

FiberCheck fiber optic cable tester for 2,5 / 1,25 mm ferrules



Quick tester for 2.5mm / 1,25mm ferrules laser class 3a test device for terminated 50/125 $\mu$ m or 62.5/125 $\mu$ m multimode and 9/125 $\mu$ m singlemode (monomode) fiber optic cable. Max. distance up to 6km. Permanent light or interval, operating temperature 0°C..60°C. Adapter for 1.25mm ferrules included in scope of delivery. Without batteries.

**Versions of this model group:**

[09615476](#) FiberCheck for 2,5 mm / 1,25 mm ferrules

## **Twisted Pair Cable pre terminated with RJ-45 Connector**

Artikel [093300001](#) RJ-45 cable made-to-order termination



Cat.5e and Cat.6a (up to 10GbE) flexible (strand), foil- and braid shielding, Hirose RJ-45 plug. Special lengths and rugged cable with PUR jacket according to demand in our Online Shop via the configurator requestable and orderable. Also different pin assignment possible (e.g. Crossover).

Artikel [0961396](#) RJ-45 flat cable Cat.6a shielded



Dimensions: 2mm x 7mm applications: For minimization of the cable volume in the distribution, cable management, suitable for all services up to 10GbE 10Gigabit Ethernet and PoE Power over Ethernet. Prices and stock lengths requestable in our Online Shop.

Artikel [0961131](#) RJ-45 flat cable Cat.6 unshielded



Applications: e.g. ISDN cable or within closed housing with minimal space requirement (1.0x4.1mm) for all services up to Gigabit Ethernet. Lengths 0,15m .. 15,00m. Prices, colors and stock lengths requestable in our Online Shop.

## **Mounting accessories**

Artikel [063600001](#) 19" panel with DIN rail for network-distribution racks



Robust 19 inch panel for mounting of industrial data communication components and power supplies in a 19" distribution rack. 3HU, 132x480x150mm (HxWxD), DIN rail: 425x35mm.