

# Ethernet hub - FL HUB 16TX-ZF - 2832564

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Rail-mountable Ethernet hub with 16 RJ45 ports, supports Ethernet with 10 Mbps as well as 100 Mbps

## Product Description

Ethernet hub with 16 RJ45 ports. The hub enables quick and cost-effective Ethernet network extension. It has sixteen twisted pair ports, which you can use to connect additional network segments or termination devices. The FL HUB 16 TX-ZF supports both Ethernet with 10 Mbps and with 100 Mbps. The hub regenerates the received data telegrams and sends them to the remaining ports. For port 5, a port assignment switch is located on the hub. The transmit and receive cables are exchanged at port 5 by actuating the switch, while polarity is maintained.


## Your advantages

- 10/100 Mbps (can be selected)
- High port density
- Outcross port



Ethernet

## Key Commercial Data

Packing unit	1 pc
GTIN	 4 017918 996222
GTIN	4017918996222

## Technical data

### Dimensions

Width	90 mm
Height	99 mm
Depth	112 mm

### Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	0 °C ... 55 °C
Ambient temperature (storage/transport)	-25 °C ... 70 °C
Permissible humidity (operation)	30 % ... 95 % (non-condensing)
Permissible humidity (storage/transport)	30 % ... 95 % (non-condensing)

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## Technical data

### Ambient conditions

Air pressure (operation)	86 kPa ... 108 kPa (1500 m above sea level)
Air pressure (storage/transport)	66 kPa ... 108 kPa (3500 m above sea level)

### Interfaces

Interface	Ethernet
No. of ports	16 (RJ45 ports)
Transmission physics	Ethernet RJ45
Transmission speed	10/100 Mbps
Transmission length	100 m
Signal LEDs	Data receive, link status

### Function

Basic functions	Hub/repeater, compliance with IEEE 802.3
Status and diagnostic indicators	LEDs: UL (communications voltage), COL (collision) link and receive LED per port

### Network expansion parameters

Cascading depth	4 hubs 10 Mbps / 2 hubs 100 Mbps
Maximum conductor length (twisted pair)	100 m

### Supply voltage

Supply voltage	24 V DC
Residual ripple	3.6 V <sub>pp</sub> (within the permitted voltage range)
Supply voltage range	18.5 V DC ... 30.5 V DC
Typical current consumption	typ. 144 mA (at U <sub>s</sub> = 24 V DC)

### General

Mounting type	DIN rail
Type AX	Stand-alone
Net weight	280 g
Housing material	Plastic

### Standards and Regulations

Electromagnetic compatibility	Conformance with EMC Directive 2014/30/EU
Noise emission	EN 61000-6-4
Noise immunity	EN 61000-6-2:2005
Vibration (storage/transport)	5g, 150 Hz, in acc. with IEC 60068-2-6
Free from substances that could impair the application of coating	In acc. with VW specification
Connection in acc. with standard	CUL
Electrical isolation	10BASE-T//100BASE-TX//Supply
Vibration (operation)	in acc. with IEC 60068-2-6: 5g, 150 Hz

### Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
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## Technical data

### Environmental Product Compliance

	No hazardous substances above threshold values
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## Classifications

### eCl@ss

eCl@ss 4.0	24010500
eCl@ss 4.1	24010500
eCl@ss 5.0	19030100
eCl@ss 5.1	19030100
eCl@ss 6.0	19170100
eCl@ss 7.0	19170105
eCl@ss 8.0	19170105
eCl@ss 9.0	19170105

### ETIM

ETIM 2.0	EC000734
ETIM 3.0	EC000734
ETIM 4.0	EC000731
ETIM 5.0	EC000731
ETIM 6.0	EC000731
ETIM 7.0	EC000731

### UNSPSC

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

## Accessories

### Accessories

#### Patch cable

Patch cable - FL CAT5 PATCH 0,3 - 2832250



Patch cable, CAT5, assembled, 0.3 m

## Ethernet hub - FL HUB 16TX-ZF - 2832564

### Accessories

Patch cable - FL CAT5 PATCH 0,5 - 2832263



Patch cable, CAT5, assembled, 0.5 m

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Patch cable - FL CAT5 PATCH 1,0 - 2832276



Patch cable, CAT5, assembled, 1 m

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Patch cable - FL CAT5 PATCH 1,5 - 2832221



Patch cable, CAT5, assembled, 1.5 m

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Patch cable - FL CAT5 PATCH 2,0 - 2832289



Patch cable, CAT5, assembled, 2 m

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Patch cable - FL CAT5 PATCH 3,0 - 2832292



Patch cable, CAT5, assembled, 3 m

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## Ethernet hub - FL HUB 16TX-ZF - 2832564

### Accessories

Patch cable - FL CAT5 PATCH 5,0 - 2832580



Patch cable, CAT5, assembled, 5 m

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Patch cable - FL CAT5 PATCH 7,5 - 2832616



Patch cable, CAT5, assembled, 7.5 m

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Patch cable - FL CAT5 PATCH 10,0 - 2832629



Patch cable, CAT5, assembled, 10 m

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### Protective cap

Dust protection - FL RJ45 PROTECT CAP - 2832991



Dust protection caps for RJ45 socket

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