

# Switch - FL SWITCH SFN 7TX/FX ST - 2891110

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Ethernet Switch, 7 TP RJ45 ports, 1 FO port, 100 Mbps full duplex in ST-D format, automatic detection of data transmission speed of 10 or 100 Mbps (RJ45), autocrossing function


## Product Features

- Auto negotiation and autocrossing detection simplifies installation and setup
- The switch also offers cable locking and port blocking
- Local diagnostic indicators with LEDs
- DC and AC power supplies
- RJ45 ports support a transmission speed of 10/100 Mbps; fiber optic ports support 100 Mbps
- Data flow control can be disabled to locate network device errors
- QoS-prioritized (Quality of Service) messages



## Ethernet

## Key commercial data

Packing unit	1
Minimum order quantity	100
Catalog page	Page 85 (AX-2011)
GTIN	 4 046356 100847
Custom tariff number	85176200
Country of origin	TAIWAN

## Technical data

### Interfaces

Interface 1	Ethernet (RJ45)
No. of ports	7 (RJ45 ports)
Connection method	RJ45
Note on connection method	Auto negotiation and autocrossing
Transmission physics	Ethernet in RJ45 twisted pair
Transmission speed	10/100 MBit/s
Interface 2	Fiber optic interface
No. of ports	1 (FO port)

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## Technical data

### Interfaces

Connection method	ST
Transmission physics	Multimode fiberglass
Transmission speed	100 MBit/s (ST, full duplex)
Transmission length	2000 m (Fiberglass 50/125)
Transmission length	2000 m (Fiberglass 62.5/125)
Wavelength	1300 nm/1310 nm

### Function

Basic functions	Unmanaged switch / autonegotiation, complies with IEEE 802.3, store and forward switching mode
Status and diagnostic indicators	LEDs: U <sub>S</sub> , link and activity per port

### Network expansion parameters

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

### Supply voltage

Supply voltage	24 V DC
Residual ripple	3.6 V <sub>PP</sub> (within the permitted voltage range)
Supply voltage range	9 V DC ... 30.2 V DC
Typical current consumption	typ. 190 mA

### General data

Width	50 mm
Height	120 mm
Depth	70 mm
Mounting type	DIN rail
Type AX	Block design
Weight	365 g
Degree of protection	IP20
Ambient temperature (operation)	0 °C ... 60 °C
Ambient temperature (storage/transport)	-20 °C ... 70 °C
Permissible humidity (operation)	5 % ... 95 % (no condensation)
Permissible humidity (storage/transport)	5 % ... 95 % (no condensation)
Air pressure (operation)	86 kPa ... 108 kPa (up to 1500 m above mean sea level)
Air pressure (storage/transport)	66 kPa ... 108 kPa (up to 3500 m above mean sea level)
Housing material	Aluminum
Noise emission	EN 61000-6-4
Noise immunity	EN 61000-6-2:2005

### Conformity with EMC directives

Developed in acc. with standard	IEC 61000-6.2
Test standard	IEC 61000-4-2 (ESD)
Test result	Criterion B

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### Conformity with EMC directives

Test standard	IEC 61000-4-3 (immunity to radiated interference)
Test result	Criterion A
Test standard	IEC 61000-4-4 (burst)
Test result	Criterion B
Test standard	IEC 61000-4-5 (surge)
Test result	Criterion B
Test standard	IEC 61000-4-6 (immunity to conducted interference)
Test result	Criterion A
Test standard	IEC 61000-4-8 (immunity to magnetic fields)
Test result	Criterion A
Test standard	EN 55022 (emitted interference)
Test result	Criterion A

## Classifications

### ETIM

ETIM 2.0	EC000734
ETIM 3.0	EC000734
ETIM 4.0	EC000734
ETIM 5.0	EC000734

### UNSPSC

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

### eCl@ss

eCl@ss 4.0	27250501
eCl@ss 4.1	27250501
eCl@ss 5.0	27250501
eCl@ss 5.1	27250501
eCl@ss 6.0	19170106
eCl@ss 7.0	19170106

## Approvals

### Approvals

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#### Approvals

UL Recognized / cUL Recognized / cULus Recognized

## Switch - FL SWITCH SFN 7TX/FX ST - 2891110

### Approvals

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Ex Approvals


UL Listed / cUL Listed / cULus Listed

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Approvals submitted

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### Approval details

UL Recognized 

cUL Recognized 

cULus Recognized 

### Accessories

Accessories

Cable/conductor

Patch cable - FL CAT5 PATCH 0,3 - 2832250



Patch cable, CAT5, assembled, 0.3 m

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Patch cable - FL CAT5 PATCH 0,5 - 2832263



Patch cable, CAT5, assembled, 0.5 m

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## Switch - FL SWITCH SFN 7TX/FX ST - 2891110

### Accessories

Patch cable - FL CAT5 PATCH 1,0 - 2832276



Patch cable, CAT5, assembled, 1.0 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, 2.0 m

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Patch cable - FL CAT5 PATCH 3,0 - 2832292



Patch cable, CAT5, assembled, 3.0 m

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Patch cable - FL CAT5 PATCH 5,0 - 2832580



Patch cable, CAT5, assembled, 5.0 m

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Patch cable - FL CAT5 PATCH 7,5 - 2832616



Patch cable, CAT5, assembled, 7.5 m

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### Accessories

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Patch cable - FL CAT5 PATCH 10,0 - 2832629



Patch cable, CAT5, assembled, 10.0 m

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Dust protection - FL RJ45 PROTECT CAP - 2832991



Dust protection caps for RJ45 female connector

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End clamp - E/NS 35 N - 0800886



End clamp, width: 9.5 mm, color: gray

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Security element - FL SEC PAC 4TX - 2832865



Layer1 security elements for four RJ45 network connections for use with patch boxes and panels

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