# SF116WP 16-port PoE switch without power supply



CODE: SF116WP v.1.0/L EN

TYPE: SF116WP 16-port PoE switch for 16 IP cameras without power supply



## Features:

- Switch 16 ports
   16 PoE ports 10/100 Mb/s (data transfer and power supply)
   2 ports 10/100/1000 Mb/s (G1/TP, G2/TP ports) (UpLink)
   2 ports 10/100/1000 Mb/s SFP (G1/SFP, G2/SFP ports)
   (UpLink)
- 30W for each PoE port, supports devices complaint with the IEEE 802.3af/at (PoE+) standard
- Supports auto-learning and auto-aging of MAC addresses (16K size)
- LED indication
- · Additional assembly elements
- warranty 2 years from production date

### **DESCRIPTION**

SF116WP is a 16-ports PoE switch designed to supply IP cameras operating in IEEE 802.3af/at standard. Automatic detection of any devices powered in the PoE/PoE+ standard is enabled at the 1 – 16 ports of the switch. The G1/TP and G2/TP ports is used for connection of another network device via RJ45 connector. The switch is fitted with SFP slots (marked as G1/SFP and G2/SFP), the use of fiber optic module (GBIC) allows fiber optic transmission. The operating status of the device is displayed on the LED display on the front panel.

The PoE technology ensures a network connection and reduces installation costs by eliminating the need to supply a separate power cable for each device. This method allows supplying other network devices, such as IP phone, wireless access point or router.

#### **TECHNICAL PARAMETERS**

Ports	I COI II TIOAL I AITAINE I LITO	
2 x UpLink (10/100/1000 Mb/s) (SFP) with connection speed auto-negotiation and MDI/MDIX Auto Cross)  PoE power supply IEEE 802.3af/at (1+16 ports), 52 V DC / 30 W at each port *  Protocols, Standards IEEE 802.3, 802.3u, 802.3x CSMA/CD, TCP/IP used pairs 1/2 (+), 3/6 (-)  Bandwidth 14,8 Gb/s  Transmission method Store-and-Forward  Optical indication of operation PoE Status  Power supply 48-54 V DC; 5 A max.  Operating conditions temperature -10°C ÷ 40°C, relative humidity 20% - 90%, no condensation  Dimensions M=442, H=44, D=224 [+/- 2mm] Additional equipment Cable length AC Net/gross weight Protection class EN 60950-1:2007  Storage temperatur -20°C ÷ 60°C	Ports	16 x PoE (10/100 Mb/s) (RJ-45)
with connection speed auto-negotiation and MDI/MDIX Auto Cross)  PoE power supply  IEEE 802.3af/at (1÷16 ports), 52 V DC / 30 W at each port *  Protocols, Standards  IEEE 802.3, 802.3u, 802.3x CSMA/CD, TCP/IP used pairs 1/2 (+), 3/6 (-)  Bandwidth  14,8 Gb/s  Transmission method  Store-and-Forward  Optical indication of operation  PoE Status  Power supply  48-54 V DC; 5 A max.  Operating conditions  temperature -10°C ÷ 40°C, relative humidity 20% - 90%, no condensation  Dimensions  M=442, H=44, D=224 [+/- 2mm]  Additional equipment  Cable length AC  Net/gross weight  Protection class EN 60950-1:2007  Storage temperatur  -20°C ÷ 60°C		2 x UpLink (10/100/1000 Mb/s) (RJ-45)
PoE power supply    IEEE 802.3af/at (1÷16 ports), 52 V DC / 30 W at each port *   Protocols, Standards		2 x UpLink (10/100/1000 Mb/s) (SFP)
Protocols, Standards  IEEE 802.3, 802.3u, 802.3x CSMA/CD, TCP/IP used pairs 1/2 (+), 3/6 (-)  Bandwidth  14,8 Gb/s  Transmission method  Store-and-Forward  Switch power supply  Optical indication of operation  Poe Status  Power supply  48-54 V DC; 5 A max.  Operating conditions  temperature -10°C ÷ 40°C, relative humidity 20% - 90%, no condensation  Dimensions  W=442, H=44, D=224 [+/- 2mm]  Additional equipment  Cable length AC  Net/gross weight  Protection class EN 60950-1:2007  Storage temperatur  -20°C ÷ 60°C		with connection speed auto-negotiation and MDI/MDIX Auto Cross)
Bandwidth  14,8 Gb/s  Transmission method  Store-and-Forward  Switch power supply  Optical indication of operation  Power supply  Operating conditions  Dimensions  Additional equipment  Cable length AC  Net/gross weight  Protection class EN 60950-1:2007  Storage temperatur  14,8 Gb/s  14,8 Gb/s	PoE power supply	IEEE 802.3af/at (1÷16 ports), 52 V DC / 30 W at each port *
Bandwidth  Transmission method  Store-and-Forward  Switch power supply  Link  operation  PoE Status  Power supply  48-54 V DC; 5 A max.  Operating conditions  temperature -10°C ÷ 40°C,  relative humidity 20% - 90%, no condensation  Dimensions  W=442, H=44, D=224 [+/- 2mm]  Additional equipment  Cable length AC  Net/gross weight  Protection class EN 60950-1:2007  Storage temperatur  -20°C ÷ 60°C	Protocols, Standards	IEEE 802.3, 802.3u, 802.3x CSMA/CD, TCP/IP
Transmission method  Store-and-Forward  Switch power supply  Link  PoE Status  Power supply  48-54 V DC; 5 A max.  Operating conditions  temperature -10°C ÷ 40°C, relative humidity 20% - 90%, no condensation  Dimensions  W=442, H=44, D=224 [+/- 2mm]  Additional equipment  Cable length AC  Net/gross weight  Protection class EN 60950-1:2007  Storage temperatur  -20°C ÷ 60°C		used pairs 1/2 (+), 3/6 (-)
Switch power supply  Link  Operation  PoE Status  Power supply  48-54 V DC; 5 A max.  Operating conditions  temperature -10°C ÷ 40°C, relative humidity 20% - 90%, no condensation  Dimensions  W=442, H=44, D=224 [+/- 2mm]  Additional equipment  bracket for RACK 19"  Cable length AC  1,2 m  Net/gross weight  Protection class EN 60950-1:2007  Storage temperatur  -20°C ÷ 60°C	Bandwidth	14,8 Gb/s
Optical indication of operation  PoE Status  Power supply  48-54 V DC; 5 A max.  Operating conditions  temperature -10°C ÷ 40°C, relative humidity 20% - 90%, no condensation  Dimensions  W=442, H=44, D=224 [+/- 2mm]  Additional equipment  Cable length AC  Net/gross weight  Protection class EN 60950-1:2007  Storage temperatur  Link PoE Status  Link PoE Status   Link PoE Status	Transmission method	Store-and-Forward
operationPoE StatusPower supply48-54 V DC; 5 A max.Operating conditionstemperature -10°C ÷ 40°C, relative humidity 20% - 90%, no condensationDimensionsW=442, H=44, D=224 [+/- 2mm]Additional equipmentbracket for RACK 19"Cable length AC1,2 mNet/gross weight2.2 / 2.6 [kg]Protection class EN 60950-1:2007I (first)Storage temperatur-20°C ÷ 60°C		Switch power supply
Power supply  48-54 V DC; 5 A max.  Operating conditions  temperature -10°C ÷ 40°C, relative humidity 20% - 90%, no condensation  Dimensions  W=442, H=44, D=224 [+/- 2mm]  Additional equipment  Cable length AC  Net/gross weight  Protection class EN 60950-1:2007  Storage temperatur  48-54 V DC; 5 A max.  temperature -10°C ÷ 40°C, relative humidity 20% - 90%, no condensation  W=442, H=44, D=224 [+/- 2mm]  bracket for RACK 19"  2.2 / 2.6 [kg]  I (first)  Storage temperatur  -20°C ÷ 60°C	Optical indication of	Link
Operating conditions         temperature -10°C ÷ 40°C, relative humidity 20% - 90%, no condensation           Dimensions         W=442, H=44, D=224 [+/- 2mm]           Additional equipment         bracket for RACK 19"           Cable length AC         1,2 m           Net/gross weight         2.2 / 2.6 [kg]           Protection class EN 60950-1:2007         I (first)           Storage temperatur         -20°C ÷ 60°C	operation	PoE Status
relative humidity 20% - 90%, no condensation   Dimensions   W=442, H=44, D=224 [+/- 2mm]     Additional equipment   bracket for RACK 19"     Cable length AC   1,2 m     Net/gross weight   2.2 / 2.6 [kg]     Protection class   I (first)     Storage temperatur   -20°C ÷ 60°C	Power supply	48-54 V DC; 5 A max.
Dimensions         W=442, H=44, D=224 [+/- 2mm]           Additional equipment         bracket for RACK 19"           Cable length AC         1,2 m           Net/gross weight         2.2 / 2.6 [kg]           Protection class EN 60950-1:2007         I (first)           Storage temperatur         -20°C ÷ 60°C	Operating conditions	temperature -10°C ÷ 40°C,
Additional equipment         bracket for RACK 19"           Cable length AC         1,2 m           Net/gross weight         2.2 / 2.6 [kg]           Protection class         I (first)           EN 60950-1:2007         I (first)           Storage temperatur         -20°C ÷ 60°C		relative humidity 20% - 90%, no condensation
Cable length AC         1,2 m           Net/gross weight         2.2 / 2.6 [kg]           Protection class         I (first)           EN 60950-1:2007         -20°C ÷ 60°C	Dimensions	W=442, H=44, D=224 [+/- 2mm]
Net/gross weight         2.2 / 2.6 [kg]           Protection class         I (first)           EN 60950-1:2007         -20°C ÷ 60°C	Additional equipment	bracket for RACK 19"
Protection class         I (first)           EN 60950-1:2007         -20°C ÷ 60°C		1,2 m
EN 60950-1:2007       I (first)         Storage temperatur       -20°C ÷ 60°C	Net/gross weight	2.2 / 2.6 [kg]
Storage temperatur -20°C ÷ 60°C	Protection class	l (first)
	EN 60950-1:2007	1 (11151)
Declarations, warranty CE, 2 year from the production date	Storage temperatur	-20°C ÷ 60°C
, ,	Declarations, warranty	CE, 2 year from the production date

<sup>\*</sup> The given value of 30 W per port is the maximum value. The total power consumption should not exceed 240 W.



## Connection schemes

