

Template:Networking tsw100 first start safety information

Safety information

TSW100 switch must be used in compliance with any and all applicable national and international laws and with any special restrictions regulating the utilization of the communication module in prescribed applications and environments.

Technical specifications

Input voltage range*	7 - 57 VDC
Max power consumption	<9 W
Max PoE power budget at PSE**	120 W

Bundled accessories specifications***

Power adapter	Input: 1.8 A @ 100-240 VAC, Output: 48 VDC, 1.3 A, 4-pin plug
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* PoE operates properly only when connected power supply outputs 44 V or higher voltage.

** Default Teltonika provided power supply only allows 60 W PoE power budget at PSE, to reach maximum 120 W at PSE, a >130 W power supply must be used.

*** Order code dependant.

PoE standards

This device uses PoE alternative B.

The difference between PoE alternative A and alternative B

Alternative A:

802.3af and 802.3at Alternative A connection. The power sourcing equipment applies a positive voltage to pins 1-2 and a negative voltage to pins 3-6.

802.3af/at Alternative A:

Pins at switch	T568A Color	T568B Color	10/100 Alternative A, mixed DC & data	1000 (1 gigabit) Alternative A, DC & bi-data
Pin 1	 white/green stripe	 white/orange stripe	Rx + DC +	TxRx A DC +
Pin 2	 green solid	 orange solid	Rx - DC +	TxRx A DC +
Pin 3	 white/orange stripe	 white/green stripe	Tx + DC -	TxRx B DC -

