

TSW200 First Start

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This Wiki page contains the online version of the **Quick Start Guide (QSG)** for the **TSW200 Switch**. Here you will find an overview of the various components found on the front and back sides of a TSW200 switch, basic hardware installation, device specifications and general safety information. It is highly recommended that you acquaint yourself with the Quick Start Guide before using the device. If you own a TSW200 switch, you can also find a printed version of the Quick Start Guide in the device's package.



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Front view

No.	Description
1	2 pin power socket
2	Power LED
3	LAN LEDs
4	PoE powered Ethernet ports
5	SFP port
6	SFP LEDs



Back view

No.	Description
1	Grounding screw




Connectors


2 pin power socket

No.	Description	Wire color	
1	Power	Red	
2	Ground	Black	

Ethernet port

No.	Action	Description	
1	Orange LED lit	10/100 Mbps link established	
2	Orange LED blinking	Active link connection	
3	Green LED lit	1000 Mbps link established	

SFP port

No.	Action	Description	
1	Down LED lit	Lower port link established	
2	Down LED blinking	Lower port active traffic	
3	Up LED lit	Upper port link established	
4	Up LED blinking	Upper port active traffic	

Safety information

TSW200 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 V
Max power consumption	5.5 W
Max PoE power budget at PSE	240 W
Max Ethernet cable length	100 m

* PoE operates properly only when connected power supply outputs 44 V or higher voltage.

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 -
Pin 4	 blue solid	 blue solid	Unused	Unused	TxRx C +	
Pin 5	 white/blue stripe	 white/blue stripe	Unused	Unused	TxRx C -	
Pin 6	 orange solid	 green solid	Tx -	DC -	TxRx B -	DC -
Pin 7	 white/brown stripe	 white/brown stripe	Unused	Unused	TxRx D +	
Pin 8	 brown solid	 brown solid	Unused	Unused	TxRx D -	

Alternative B:

802.3af and 802.3at Alternative B connection. The power sourcing equipment applies a positive voltage to pins 4-5 and a negative voltage to pins 7-8.

802.3af/at Alternative B:

Pins at switch	T568A Color	T568B Color	10/100 Alternative B, DC on spares		1000 (1 gigabit) Alternative B, DC & bi-data	
Pin 1	 white/green stripe	 white/orange stripe	Rx +		TxRx A +	
Pin 2	 green solid	 orange solid	Rx -		TxRx A -	
Pin 3	 white/orange stripe	 white/green stripe	Tx +		TxRx B +	
Pin 4	 blue solid	 blue solid		DC +	TxRx C +	DC +

