

Template:Networking tswos manual diagnostics

The information in this page is updated in accordance with firmware version .



Contents

- [1 Network Diagnostics](#)
 - [1.1 Diagnostics](#)
- [2 Cable Diagnostic](#)
 - [2.1 Cable Diagnostic](#)
 - [2.2 Cable Diagnostic Results](#)

Network Diagnostics

Diagnostics

This **Diagnostics** section is used to execute simple network diagnostic tests, including ping, traceroute and nslookup.



Field	Value	Description
Method	Ping Traceroute Nslookup; default: Ping	Specifies the diagnostics method. <ul style="list-style-type: none">• Ping - sends ICMP requests to the specified address.• Traceroute - displays the path that packets have to take in order to reach the specified address.• Nslookup - obtains domain name address and IP address mapping information.
Protocol	IPv4 IPv6; default: IPv4	Selects the IP (Internet Protocol) version.
Address	ip; default: none	IP address or hostname to perform the diagnostic test on.
Perform	-(interactive) button	Performs the diagnostic test.

Cable Diagnostic

Cable Diagnostic

This **Cable Diagnostic** service is dedicated to provide information about cable status and length.

Full cable diagnostic is performed only when the cable is connected to the switch device. When the cable is fully connected only the cable length measurements will be provided. Note: the provided cable information may not be fully accurate and margin of error could be expected.

To run cable diagnostic, select ports and press 'Run Diagnostic' button:



Cable Diagnostic Results



	Field Name	Description
Pair		Cable pair number.
Status		<ul style="list-style-type: none">• Normal - cable connected.• Short - short circuit due to bad contact.• Open - connection is open on the other end.• Crosstalk - connection is broken due to cable quality.
Lenght (m)		Cable length range. Possible mistake of calculation - 10 meters.
Full location (m)		Location of cable damage when status is crosstalk.

[[Category:{{{name}}} System section]]