

Wireless - Tranzeo (SAI)

Version 1.0

This probe is meant to probe Tranzeo 1000, 2000, 3000, 400, and 4000-series all in one device used as an SAI (station). (See Supported Equipment and Related Probes for more information.) The probe retrieves and displays a number of variables for basic, traffic, and wireless information. It will go into alarm and warning states based on user-defined parameters for Received Signal level, Expected versus actual Station Channel, and incoming traffic on the radio interface, as well as into alarm when the wireless or ethernet links are reported down.

Thresholds:

Alarms:

Ethernet Link Down
Wireless Link Down
Received Signal too low: User-defined (< 0)
Station Channel: User-defined (No default)
No-Buffer Errors too high: User-defined (> 1000)
Traffic too high: User-defined (> 100000000)

Warnings:

Traffic high: User-defined (> 900000000)
Received Signal low: User-defined (< 0)
No-Buffer Errors high: User-defined (> 1)

Version: Included with WISPerMapper 4.2.1. Part of bundle 1.0. Requires InterMapper 4.2.1 or later.

License: IMWirelessAddon (WISPerMapper wireless device)

Supported Equipment: TR-410, TR-420, TR-430, TR-440, TR-450, TR-4115, TR-4215, TR-4315, TR-4415, TR-4118, TR-4218, TR-4318, TR-4418, TR-4500, and TR-4519 in SAI (station) mode

Community String: The default SNMP read-only community is unknown.

Glossary of Terms:

Ethernet Traffic: This information concerns the Ethernet interface. (OIDs: based on ethInOctet, ethOutOctet, ethInDiscards, ethOutDiscards, ethRXErr, ethTXErr)

Link Status: The status of the Ethernet Link. Up or Down. (OID: based on ethLink)

PPPoE State: The status of the PPP over Ethernet Link. Session Closed, Server Lookup, Login in Progress, or Login Fail. (OID: based on pppoeState)

Wireless Traffic: The following information concerns traffic on the radio interface. (OIDs: based on wlaRxUniOctet, wlaRxNuOctet, wlaTxUniOctet, wlaTxNuOctet, wlaRxDiscards, wlaTxErr)

Current St. Channel: The current channel of the station. (1-14) (OID: wlaStaCurrChannel)

ESSID: The current ESSID (network identifier) of the radio. (OID: essid)

Transmit Rate: The transmit rate of the radio. Fixed 1MB/s, Fixed 2MB/s, Auto-select 1M or 2M, Fixed 5.5 MB/s, Fixed 11 MB/s, or Fully Auto. (OID: based on statxrate)

Rx Signal Level: The last received signal level. This is a raw value, not dBm. (OID: wlaLastRxSignal)

AP MAC Address: The MAC address of the associated AP. (OID: wlaStatHstMacAddr)

Related Probes: Gear operating as an AP or PXP (bridge) should use the appropriate similar probes. 1000-, 2000-, and 3000-series gear is not supported, and will require the upcoming "Tranzeo (Classic)" probe or updated firmware version 3.4.31. The TR-CPE-5A and TR-AP-5A are supported by separate probes. 5000-series gear is not currently supported.

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Wireless - Tranzeo (SAI)
Device Status
Name: Wireless - Tranzeo (SAI)
DNS Name: localhost.
Address: 127.0.0.1
Status: UP
Protocol: Wireless - Tranzeo (SAI) (port 161)
Up Time: n/a
Availability: 100 % (of 1 minute, 0 seconds)
Packet Loss: 66.7 % (of 9 total attempts) [Reset]
Recent Loss: 2 pkts at Mar 25, 16:29:47
Round-trip time: n/a msec
Tranzeo SAI Information
Firmware Version: [N/A].[N/A].[N/A]

Ethernet Traffic
In: n/a Bytes per sec.
Out: n/a Bytes per sec.
In Discards: n/a Packets per sec.
Out Discards: n/a Packets per sec.
In Errors: n/a Packets per sec.
Out Errors: n/a Packets per sec.
Link Status: DOWN
PPPoE State: Session Closed

Wireless Traffic
Unicast In: n/a Bytes per sec.
Non-Unicast In: n/a Bytes per sec.
Unicast Out: n/a Bytes per sec.
Non-Unicast Out: n/a Bytes per sec.
In Discards: n/a Packets per sec.
Out Errors: n/a Packets per sec.
Link Status: N/A

Wireless Information
Current St. Chn.: [N/A] (1-14)
ESSID: [N/A]
Transmit Rate: 0
Rx Signal Level: [N/A]
AP MAC Addr.: [N/A]
Last updated Mar 25, 16:29:52; interval: 30 seconds
Reason: No SNMP response
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