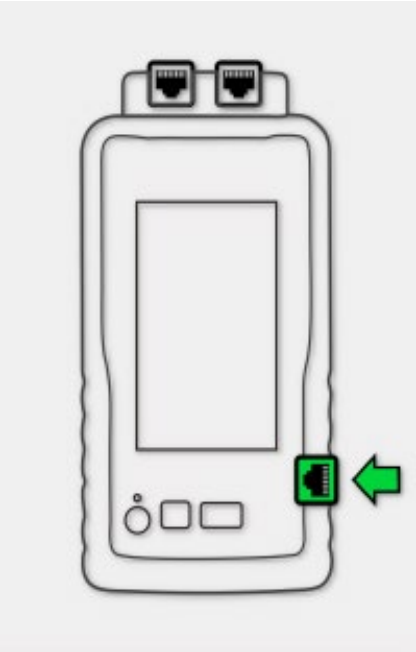
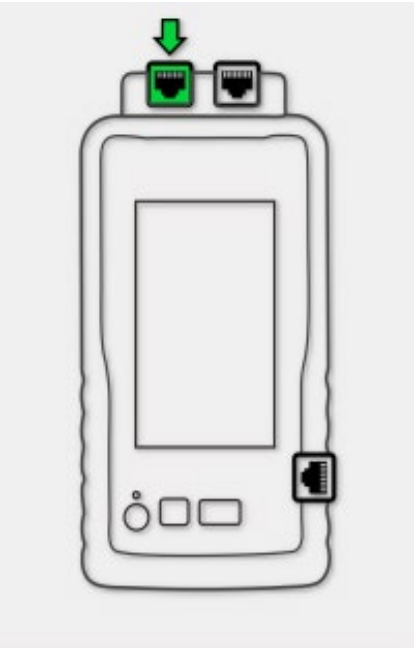
Which Ethernet Connector Do I Use On My NSA?

Your NSA is a powerful and versatile test instrument, capable of basic cable tests, the innovative Certi-Lite Qualification+ test, 100M/1G Ethernet tests, 2/5/5/10G Ethernet tests, and Power over Ethernet (PoE) tests. This article describes which connectors are used for which tests.

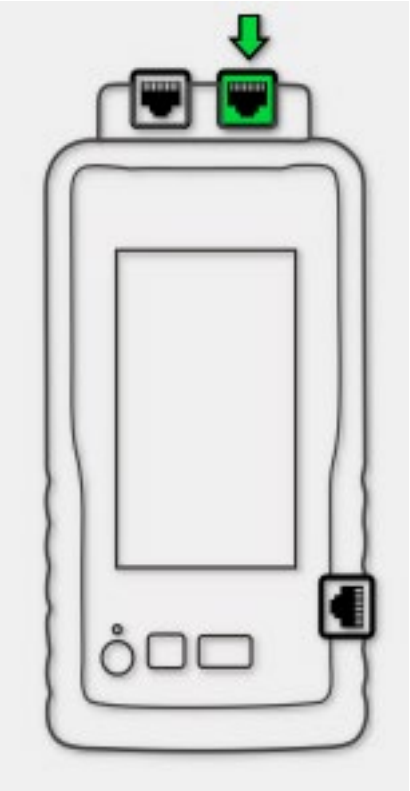


The Side Port is used for the following:

1. Testing a link up to 1GBase-T to see what level of Ethernet speeds it can support and with how much headroom
2. IEEE 802.3 BASE-T tests at 100Mbps and 1Gbps
3. May be used for Network Test functions such as Switch Port Blink, discovery of connected devices on the network, switch detail, VLAN information, ping, traceroute. (AD-NSA adapter is preferred for Switch Detail)
4. Upload tests to TestDataPro Cloud when connected to a network with internet access.



The top left port (as seen facing the unit with an installed AD-NSA adapter, also labeled CERTI-LITE CHANNEL is used for qualifying UTP and shielded twisted pair channels. The Certi-Lite test is a qualification test which goes beyond what typical qualification testers can do, and includes test parameters typically found in certification testers, but tested in a single ended fashion.



The top right port (as seen facing the unit with an installed AD-NSA adapter, also labeled 2.5G/5G/10G {PoE) is used for:

1. Testing a link up to 10GBase-T to see what level of Ethernet speeds it can support and with how much headroom
2. Testing an Ethernet switch from a remote location to see the maximum speed supported by both the switch and the link
3. Testing a PoE link to ensure PoE functionality and negotiation is working
4. Testing a PoE link to determine how much power can be supplied under load.
5. Network Test functions such as discovery of connected devices on the network, switch detail, VLAN information, ping, traceroute.
6. Upload tests to TestDataPro Cloud when connected to a network with internet access.