



OneTouch AT Network Assistant Configuration Guide

This OneTouch™ configuration guide will help you determine which OneTouch tester, or combination of testers will best meet the needs of you and your team.

Step 1: Individual OneTouch AT Network Testers

Step 2: Path Performance or Team Bundles

Step 3: OneTouch AT Network Tester Modules for existing Versiv platform owners

Step 4: Upgrade Options

Step 5: Gold Support Options





Configure your OneTouch AT Network Tester

If you are looking for networks testing (Copper/Fire/wireless) start at step 1.

If you are looking to do throughput testing, packet capture, or SLA verifications skip to step 2.

For a side-by-side specification comparison of each OneTouch please see the next page.

Step 1: Choose one of the 4 base models below.

MODEL	DESCRIPTION	DETAILS	CONTENTS
1TG2-1500	OneTouch AT G2 Ethernet Tester	Wired (Copper & Fiber) testing for speeds up to 1 Gbps	10/100/1000 Mbps copper/fiber test module, Versiv platform, two 1G SX SFP fiber transceivers, SD card, frame carry strap, hand strap, AC adapter and line cord, USB flash drive, WireView #1-6, RJ45 patch cable and coupler, carrying case, getting started guide, and resource CD with users manual
1TG2-1500W	OneTouch AT G2 Wi-Fi Tester	Wi-Fi testing for speeds up to 600 Mbps	802.11a/b/g/n/ac test module, Versiv platform, external directional antenna with mounting clip, SD card, frame carry strap, hand strap, AC adapter and line cord, USB flash drive, carrying case, getting started guide, and resource CD with users manual
1TG2-3000	OneTouch AT G2 Ethernet and Wi-Fi Tester	Wired (Copper & Fiber) for speeds up to 1 Gbps, Wi-Fi for speeds up to 600 Mbps. This model combines the 1500 and 1500W into one product.	10/100/1000 Mbps copper/fiber and 802.11a/b/g/n/ac test module, Versiv platform, two 1G SX SFP fiber transceivers, external directional antenna with mounting clip, SD card, frame carry strap, hand strap, AC adapter and line cord, USB flash drive, WireView #1-6, RJ45 patch cable and coupler, carrying case, getting started guide, and resource CD with users manual
1T10G-1000	OneTouch AT 10G Ethernet Tester	Wired (Copper & Fiber) testing for speeds up to 10G for validation tests.	100M/1G/10Gbps copper/fiber test module, Versiv platform, 1G SX SFP fiber transceiver, 10G SR SFP+ fiber transceiver, SD card, frame carry strap, hand strap, AC adapter and line cord, RJ45 patch cable, carrying case, getting started guide, and resource CD with users manual.



MODEL	OneTouch AT 10G	OneTouch AT G2		
	1T10G-1000	1TG2-1500	1TG2-1500W	1TG2-3000
RJ45 interface: 100/1000/10GBASE-T	•			
Fiber SFP+ interface: 1000BASE-X/10GBASE-SR/LR	•			
RJ45 interface: 10/100/1000BASE-T		• (x2)	option	• (x2)
Fiber SFP interface: 100/1000BASE-X		• (x2)	option	• (x2)
Wi-Fi radio: 802.11 a/b/g/n/ac 2.4/5GHz		option	•	•
Twisted pair cable length and fault location	•	•	option	•
Twisted pair cable wiremap, ID support and toning		•	option	•
True Power PoE load testing		•	option	•
Inline VoIP analysis		•	option	•
AutoTest profiles	•	•	•	•
Wired connectivity tests: speed/duplex, nearest switch, traffic statistics	•	•	option	•
Wi-Fi connectivity tests: SSID, AP, channel, statistics, log		option	•	•
Network services tests: DHCP, DNS, gateway	•	•	•	•
User tests: ICMP, TCP, HTTP, FTP, IGMP, RTSP, SMTP	•	•	•	•
Wired discovery and analysis	•	•	option	•
Wi-Fi discovery and analysis		option	•	•
Wired packet capture: standalone, AutoTest	•	•	option	•
Wired packet capture: ports A and B, inline, VoIP		•	option	•
Wi-Fi packet capture		option	•	•
Wired 1Gbps path performance ¹	•	•	option	•
Wired 10Gbps path performance ²	•			
Wi-Fi path performance ¹		option	•	•
Cloud service trending and analysis	•	•	•	•
RJ45 management port: 10/100BASE-T	•	•	•	•
Wi-Fi management port adapter support ³	•	•	•	•

¹Requires peer or reflector: OneTouch AT, OneTouch AT 10G or LinkRunner AT 2000 (not included)

²Requires peer: OptiView XG 10G tablet (not included)

³Optional accessory (not included)






Step 2: For throughput testing, packet capture, SLA verifications order one of the first 5 kits below.

The Wired Performance tests measure network path performance end-to-end. A test instrument is required at each end of the link under test. The OneTouch AT 10G tester will be located at one end. There are options for the test instrument to be located at the other end of the link to measure the path performance and verify SLA compliance. For a detailed comparison chart, see the next page.

MODEL	DESCRIPTION	DETAILS	CONTENTS
1TG2-1500-LRAT2	OneTouch AT G2 1500 and LinkRunner AT 2000	Pair the OneTouch AT G2 1500 with the LinkRunner AT 2000 as a reflector for round trip results. This will allow for wired path performance up to 1 Gbps.	OneTouch AT 1TG2-1500 Ethernet Tester and LinkRunner AT LRAT-2000 Network Auto-Tester
1TG2-1500W-LRAT2	OneTouch AT G2 1500W and LinkRunner AT 2000	Pair the OneTouch AT G2 1500W with the LinkRunner AT 2000 as the peer end-point device. This will allow for Wi-Fi path performance up to 600 Mbps.	OneTouch AT 1TG2-1500W Wi-Fi Tester and LinkRunner AT LRAT-2000 Network Auto-Tester
1TG2-3000-LRAT2	OneTouch AT G2 3000 and LinkRunner AT 2000	Pair the OneTouch AT G2 3000 with the LinkRunner AT 2000 as the peer end-point device. This will allow for Wi-Fi up to 600 Mbps, Wired up to 1Gbps.	OneTouch AT 1TG2-3000 Ethernet and Wi-Fi Tester and LinkRunner AT LRAT-2000 Network Auto-Tester
1TG2-3000-1T10G1M	OneTouch AT G2 3000 and OneTouch AT 10G 1000 Module	Pair the Onetouch AT G2 3000 with the OneTouch AT 10G 1000 as the peer end-point device. This will allow for Wired path performance up to 1 Gbps and Wi-Fi performance testing up to 600 Mbps across LAN and WAN links with asymmetrical upstream and downstream rates.	OneTouch AT 1TG2-3000 Ethernet and Wi-Fi Tester and OneTouch AT 10G 1T10G-1000-MOD Ethernet Test Module
1TG2-1500-2PK	OneTouch AT G2 1500 2-Pack	Pair two OneTouch AT G2 1500 Network Testers. This will allow for Wired path performance up to 1 Gbps across the LAN/WAN links with asymmetrical upstream and downstream rates.	Kit of two OneTouch AT 1TG2-1500 Ethernet Testers
XG-EXPT-1T10G	10G Performance Test Kit with Wireless Analysis	Pair the Optiview XG with the OneTouch AT 10G as the peer end-point device. This will allow for Wired path performance up to 10 Gbps across LAN/WAN links with asymmetrical upstream and downstream rates.	OptiView 10 Gig tablet with WLAN options (OPVXG-EXPT) plus OneTouch AT 10G Network Assistant for network performance testing with OptiView XG (1T10G-1000)



For throughput testing, packet capture, or SLA verification connect your favorite OneTouch AT with one of the devices pictured on the right. This table will help you decide which pair of instruments will best meet your needs. The local device running the tests is listed on the top row and the reflector, or end-point device is listed in the second row.

Local tester	OneTouch AT or OneTouch AT 10G 	OneTouch AT or OneTouch AT 10G 	OptiView XG 
Remote end-point	LinkRunner AT 2000	OneTouch AT or OneTouch AT 10G	OneTouch AT 10G ¹
Wired rate is ≤ 1 Gbps Wi-Fi rate ≤ 600 Mbps	•	•	
1 traffic stream	•	•	
IETF RFC 2544 test method	•	•	
Round trip results	•		
Bi-directional results		•	•
Frame loss, latency, jitter	•	•	•
≤ 10 Gbps rate			•
≤ 4 traffic streams			•
ITU Y.1564 test method			•
Throughput, requested rate, information rate			•
Class of service testing, traffic policing			•

¹ OneTouch AT 10G serves as both 10G end-point and 1G controller



Step 3: Add an OneTouch AT G2 Module to your existing Versiv frame.

If you already own another Versiv product you can purchase a single module to gain the benefits of the OneTouch AT by ordering a module plug in for the Versiv frame you already own.

Model	Description		Contents
1TG2-3000-MOD	OneTouch AT G2 Ethernet Wi-Fi Test Module	Module for Versiv frame that includes Wired (Copper & Fiber) testing for speeds up to 1 Gbps, and Wi-Fi testing for speeds up to 600 Mbps.	10/100/1000 Mbps copper/fiber and 802.11a/b/g/n/ac test module, two 1G SX SFP fiber transceivers, external directional antenna with mounting clip, SD card, USB flash drive, WireView #1-6, RJ45 patch cable and coupler, getting started guide, and resource CD with users manual
1T10G-1000-MOD	OneTouch AT 10G Ethernet Test Module	Module for Versiv frame that includes Wired (Copper & Fiber) testing for speeds up to 10G for validation tests.	100M/1G/10 Gbps copper/fiber test module, 1G SX SFP fiber transceiver, 10G SR SFP+ fiber transceiver, SD card, RJ45 patch cable, getting started guide, and resource CD with users manual





Step 4: Upgrade your existing OneTouch

If you already own an OneTouch AT G2 there are 2 upgrade options.

MODEL	DESCRIPTION	DETAILS	CONTENTS
1TG2-WIFI-OPT	OneTouch AT G2 Wi-Fi Upgrade	If you currently have the OneTouch G2 1500, this adds the Wi-Fi capabilities of the OneTouch AT G2 1500W. These combined now give the full functionality of the OneTouch G2 3000	Option activation instructions, external directional antenna with mounting clip
1TG2-ETH-OPT	OneTouch AT G2 Ethernet Upgrade	If you currently have the OneTouch G2 1500W, this adds the Wired (Copper & Fiber) capabilities of the OneTouch AT G2 1500. These combined now give the full functionality of the OneTouch G2 3000	Option activation instructions, two 1G SX SFP fiber transceivers, WireView #1-6, RJ45 patch cable



Step 5: Add Gold Support

What do you get with Gold Support for your OneTouch AT Network Assistant?

- **Gold Cloud Service** - Save multiple OneTouch AT trending sessions on the OneTouch AT Cloud Service server. Use the Cloud Service to view and analyze AutoTest results uploaded to the cloud via the Trending feature. The analytics are useful for troubleshooting intermittent problems, identifying potential network, service or application vulnerabilities, and identifying performance bottlenecks. The Cloud Service can also be used for remote control of the OneTouch for packet captures or updating a remote unit.
- **Repairs and loaner equipment** - If your OneTouch should fail, we'll deliver a loaner unit via next business day delivery to keep you up and running. We'll repair your OneTouch and replace defective or faulty accessories at no charge, with first on bench priority, and return it to you - all shipping paid by Fluke Networks
- **Software upgrades** - You'll receive all software upgrades free
- **Access to live 24 x 7 technical support** - Gold Support includes direct, immediate telephone access to our world-class Technical Assistance Center (TAC), direct access only available to Gold Members.
- **Accessory Replacement** - The normal warranty on accessories is 90 days, but parts and accessories including the OneTouch battery will be replaced free of charge with Gold Support once qualified as defective by our technical assistance center.
- **OneTouch Gold Support Members Online Training** - Gold Support Members have access to exclusive on-line training modules.
- **Member Only promotions** - Your membership qualifies you for Members Only promotions and programs.

CATEGORY	MODEL	DESCRIPTION
Gold Support	GLD-1TG21500	1 Year Gold Support For OneTouch AT G2 1500
	GLD3-1TG21500	3 Year Gold Support For OneTouch AT G2 1500
	GLD-1TG21500W	1 Year Gold Support For OneTouch AT G2 1500W
	GLD3-1TG21500W	3 Year Gold Support For OneTouch AT G2 1500W
	GLD-1TG23000	1 Year Gold Support For OneTouch AT G2 3000
	GLD3-1TG23000	3 Year Gold Support For OneTouch AT G2 3000
	GLD-1TG23000MOD	1 Year Gold Support For OneTouch AT G2 3000 Module
	GLD3-1TG23000MOD	3 Year Gold Support For OneTouch AT G2 3000 Module
	GLD-1T10G1000	1 Year Gold Support For OneTouch AT 10G 1000
	GLD3-1T10G1000	3 Year Gold Support For OneTouch AT 10G 1000
	GLD-1T10G1000MOD	1 Year Gold Support For OneTouch AT 10G 1000 Module
	GLD3-1T10G1000MOD	3 Year Gold Support For OneTouch AT 10G 1000 Module
Gold Bundles	1TG2-1500/GLD	OneTouch AT G2 1500 And 1 Year Gold Support
	1TG2-1500W/GLD	OneTouch AT G2 1500W And 1 Year Gold Support
	1TG2-3000/GLD	OneTouch AT G2 3000 And 1 Year Gold Support
	1T10G-1000/GLD	OneTouch AT 10G 1000 And 1 Year Gold Support



Step 6: Add additional accessories.

MODEL	DESCRIPTION	CONTENTS
SFP's that Support Digital Diagnostic Monitoring (DDM) can Measure Input Signal Power. Measurement Displayed in dBm. It is possible to use customer provided SFPs; however, the important consideration is to insure that you are using the same SFP type at both ends. For example, if you are using a 1000BASE-SX SFP in your switch port then you must use a 1000BASE-SX SFP in the OneTouch.		
SFP-1000SX	1000BASE-SX Fiber SFP transceiver with DDM (850 nm, multimode)	SFP fiber optic transceiver
SFP-1000LX	1000BASE-LX Fiber SFP transceiver with DDM (1310 nm, single mode)	SFP fiber optic transceiver
SFP-1000ZX	1000BASE-LZ Fiber SFP transceiver with DDM (1550 nm, single mode)	SFP fiber optic transceiver
SFP-100FX	100BASE-FX Fiber SFP transceiver with DDM (multimode)	SFP fiber optic transceiver
OPVXG-SFP-PLUS-SR	10GBASE-SR Fiber SFP+ transceiver (850nm, multimode)	SFP+ fiber optic transceiver for 1T10G models
OPVXG-SFP-PLUS-LR	10GBASE-LR Fiber SFP+ transceiver (1310nm, single mode)	SFP+ fiber optic transceiver for 1T10G models
Test for cable breaks		
MT-8200-63A	IntelliTone 200 Probe	IntelliTone 200 Probe, RJ11 and RJ 45 patch cables, lanyard, owners CD and quick start guide, and 9 volt battery
Extend the basic cable test features in the OneTouch with the WireView Wire Mapper options below. These options allow you to test your cables for breaks, shorts, etc.		
WIREVIEW 1	WireView WireMapper #1	Wiremap adapter and cable identifier #1
WIREVIEW 2-6	WireView WireMappers #2-6	Set of wiremap adapters and cable identifiers #2 - #6
Order any additional accessories, or replacements for ones that have been lost.		
1T-ANT	Replacement external directional Wi-Fi antenna	Antenna for 1TG2-1500W and 1TG2-3000 models
VERSIV-M	Versiv Main Replacement	Versiv platform
VERSIV-BATTERY	Versiv Battery	Versiv Lithium Ion battery
VERSIV-ACUN	Versiv Charger	Versiv universal AC adapter
VERSIV-STRP	Versiv Strap Kit	Versiv platform carry straps
VERSIV-SM-CASE	Versiv Carry Case	Versiv softsided carry case
This wireless adapter allows the user to remote into the OneTouch through the Wi-Fi management port in lieu of an RJ45.		
ASUS USB-N10	Wireless-N 150 USB Adapter (available thru ASUS resellers only)	802.11n Wi-Fi adapter for management
Look at the fiber end faces on the OneTouch with this accessory.		
FI-1000-KIT	FI-1000 USB video probe and tip set	Video probe and tips: LC, FC/SC bulkhead, 1.25 AND 2.5 mm universal tips in a box

Fluke Networks
P.O. Box 777, Everett, WA USA 98206-0777

Fluke Networks operates in more than 50 countries worldwide. To find your local office contact details, go to www.flukenetworks.com/contact.

©2015 Fluke Corporation.
Printed in U.S.A. 8/2015