POWERED BY

TREND AnyWARE CLOUD

NEW

SIGNALTEK QT

CLOUD CONNECTED
10 GIGABIT COPPER & FIBER
QUALIFICATION TESTER

Complete Network Visibility -
Qualify 10G Copper, Fiber, and Wi-Fi.

TREND NETWORKS
CLOUD CONNECTED TESTERS

Depend On Us

The All-in-One Cloud Connected Tester you can Depend On

SignalTEK QT Series

10 Gigabit Copper & Fiber Qualification Tester with Wi-Fi Diagnostics & Troubleshooting

The new SignalTEK QT Series is the ultimate 10G qualification tester for copper, fiber, and Wi-Fi diagnostics. Powered by TREND AnyWARE Cloud, enabling remote reporting and test result analysis.

As networks evolve to support higher bandwidth, lower latency, and increased device density, 10 Gigabit Ethernet is rapidly becoming the standard for future-proof LAN infrastructures. The transition to fiber optic backbones and the growing demand on Wi-Fi networks require precise, reliable and scalable testing solutions, which is exactly what the SignalTEK QT delivers. The SignalTEK QT Series was designed for today's Copper, Fiber and Wi-Fi networks.

Copper Qualification

Ensure the desired network speed is supported by performing an RF test of the cable to test NEXT, Return Loss and Insertion Loss. SignalTEK QT will display the available performance versus the desired speed with an easy-to-read display. Up to 12 remotes are available for rapid testing. SignalTEK QT allows selection of speeds from 10Mb/s to 10Gb/s including the new 2.5 & 5Gb/s multigig speeds.

Fiber Qualification

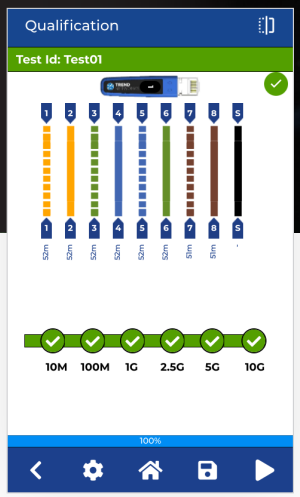
SignalTEK QT Pro qualifies fiber links in accordance with the IEEE 802.3 standard up to 100Gb/s by measuring insertion loss and length of fiber cabling using a convenient loopback test. TREND's high performance SFP modules offer high accuracy insertion loss measurements and the SignalTEK QT Pro detects the installed SFP module to automatically set Pass/Fail limits.

Wi-Fi Testing

Analyze Wi-Fi channel strength and identify access points that are on overlapping channels to maximize network performance. Channel utilization graphs help determine which access points (APs) are overloaded with users. Connect to a network and perform diagnostics with ping, traceroute and device scan tests.

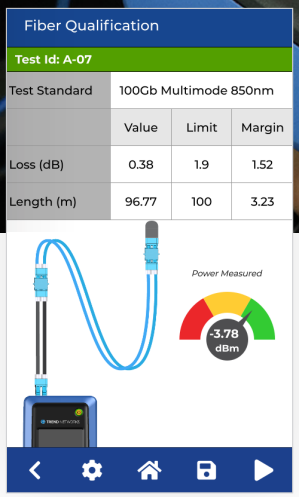
Qualify Multimode and Single-mode Fiber Links

Key Features



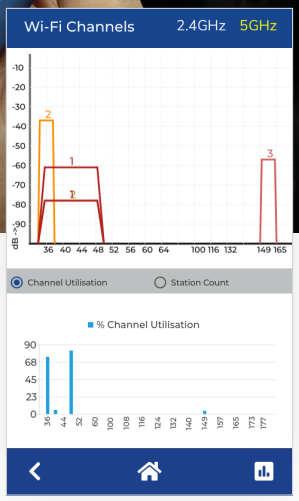
Copper Cable Qualification

Qualify performance from 10Mb/s to 10Gb/s including Multi-Gig speeds with Live wiremap and TDR fault location.



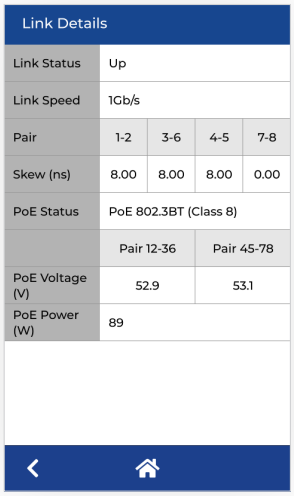
Fiber Cable Qualification

Qualify performance from 10Mb/s to 100Gb/s by measuring dB loss and length to IEEE standards.



Wi-Fi Channel Scan and Utilization

Select a channel to view the name, IP address, MAC address and signal strength of APs on each channel to help balance utilization.

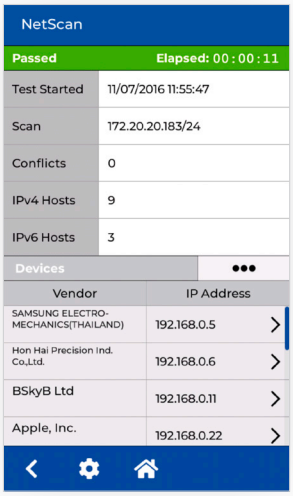


Link Details

Link Status	Up			
Link Speed	1Gb/s			
Pair	1-2	3-6	4-5	7-8
Skew (ns)	8.00	8.00	8.00	0.00
PoE Status	PoE 802.3BT (Class 8)			
	Pair 12-36		Pair 45-78	
PoE Voltage (V)	52.9		53.1	
PoE Power (W)	89			

PoE Load Test

Ensure installed cables provide enough power for PoE devices by performing a load test with up to 90 watts including Pass/Fail results.



NetScan

Passed Elapsed: 00:00:11

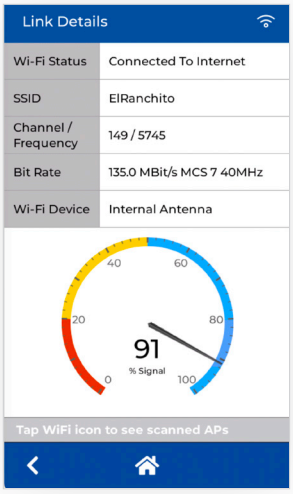
Test Started	11/07/2016 11:55:47
Scan	172.20.20.183/24
Conflicts	0
IPv4 Hosts	9
IPv6 Hosts	3

Devices

Vendor	IP Address
SAMSUNG ELECTRO-MECHANICS(THAILAND)	192.168.0.5
Hon Hai Precision Ind. Co.,Ltd.	192.168.0.6
BSkyB Ltd	192.168.0.11
Apple, Inc.	192.168.0.22

Device Scan

Connect to active copper/fiber/Wi-Fi networks and collect a list of connected devices including the vendor ID, IP address and MAC address with automatic checking for IP address conflicts.



Link Details

Wi-Fi Status	Connected To Internet
SSID	ElRanchito
Channel / Frequency	149 / 5745
Bit Rate	135.0 MBit/s MCS 7 40MHz
Wi-Fi Device	Internal Antenna

91 % Signal

Tap WiFi icon to see scanned APs

Access Point Location

Use the internal or external antennas to locate hidden access points with the responsive signal strength indicator.

Test Management Software

Upload tests, generate, and share professional reports for free on TREND AnyWARE Cloud. The worlds fastest Test Management Software.

The TREND AnyWARE Cloud management system allows real time collaboration between Project Managers and Field Technicians. There is no need for Field Technicians to setup the SignalTEK QT, Project Managers can pre-configure jobs and tests in the TREND AnyWARE Cloud, eliminating potential mistakes and reducing the time taken to prepare reports for customers and warranties.

SignalTEK QT joins the TREND AnyWARE ecosystem, a unified family of testers with a common user interface for a seamless testing experience when switching between different types of testing. Results from any device or user can be uploaded into the TREND AnyWARE Cloud, the world's fastest platform for viewing, storing, and sharing data from a single or multiple job sites.

Supporting the full range of TREND Networks tools, including LanTEK and FiberTEK IV, SignalTEK 10G, SignalTEK QT, PoE PRO, and VDV II you can upload tests, generate, and share professional reports for free, all securely stored in TREND AnyWARE, developed on the Microsoft Azure-powered platform for unmatched security and reliability.

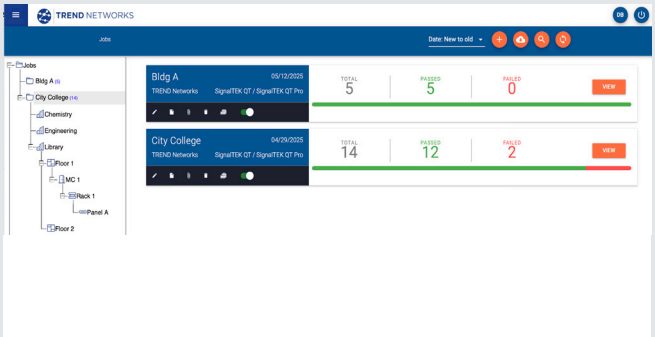
Cloud software

- **Operates anywhere with a web browser** – TREND AnyWARE Cloud operates on PC, Mac and tablet devices (Android and iOS).
- **Easy to find project files** – Attach all project files including cable layout drawings, videos, and photos into the TREND AnyWARE Cloud. All project data accessible in one location.
- **Share reports easier** – Use TREND AnyWARE Cloud to share links to test reports eliminating the need to email large attachments.
- **TeamViewer Live Support** - Project Managers can connect to a SignalTEK QT on the jobsite using TeamViewer to assist field technicians, streamlining troubleshooting time, increasing collaboration and reducing call-backs.

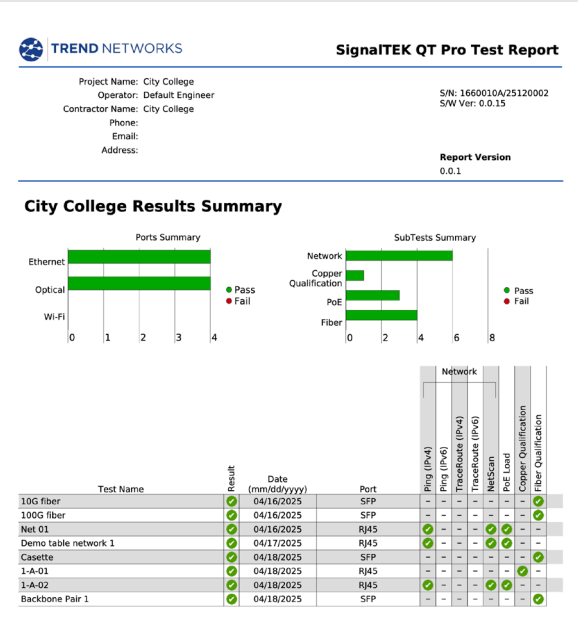
Fleet management

- **Easily manage your tester fleet** – Fleet manager allows you to see who has the tester, when the results were last synced and view available software updates. This enables you to reduce tester downtime and ensure results are synchronized to the TREND AnyWARE Cloud and not lost or deleted.
- **Over-the-Air Software Updates** - Software updates are installed directly from TREND AnyWARE Cloud using Wi-Fi or wired Ethernet, allowing in-field updates without requiring a PC or proprietary software.

TREND AnyWARE CLOUD



TREND AnyWARE Cloud Jobs screen



TREND NETWORKS

SignalTEK QT Pro Test Report

Project Name: City College
Operator: Default Engineer
Contractor Name: City College
Phone:
Email:
Address:

S/N: 1660010A/25120002
S/W Ver: 0.0.15

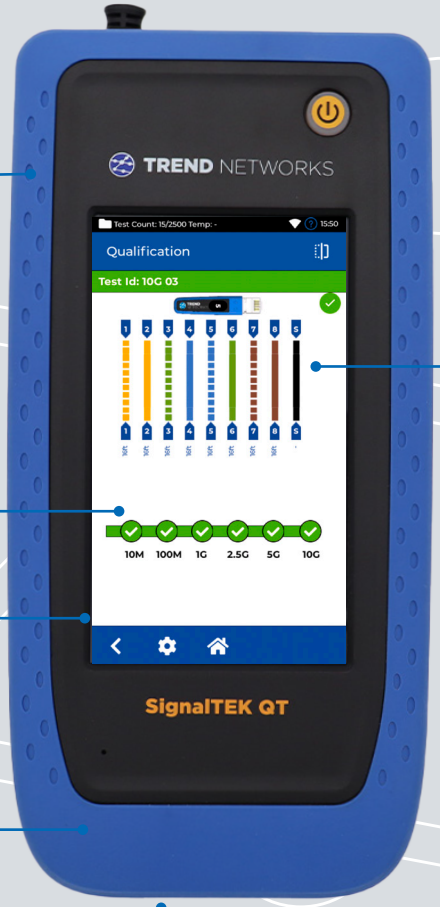
Report Version
0.0.1

City College Results Summary

Test Name	Result	Date (mm/dd/yyyy)	Port	Network: Ping (IPv4)	Ping (IPv6)	TraceRoute (IPv4)	TraceRoute (IPv6)	NetScan	PoE Load	Copper Qualification	Fiber Qualification
10G fiber	✓	04/16/2025	SFP	–	–	–	–	–	–	–	✓
100G fiber	✓	04/16/2025	SFP	–	–	–	–	–	–	–	✓
Net 01	✓	04/16/2025	RJ45	✓	–	–	–	✓	✓	–	–
Demo table network 1	✓	04/17/2025	RJ45	✓	–	–	–	✓	✓	–	–
Casette	✓	04/18/2025	SFP	–	–	–	–	–	–	–	✓
1-A-01	✓	04/18/2025	RJ45	–	–	–	–	–	–	✓	–
1-A-02	✓	04/18/2025	RJ45	✓	–	–	–	✓	✓	–	–
Backbone Pair 1	✓	04/18/2025	SFP	–	–	–	–	–	–	–	✓

TREND AnyWARE Cloud Test Report

SignalTEK QT Pro



Intuitive User Interface
Simplified user interface for easy setup and operation

Multi-Gigabit Qualification
Test copper cable performance (10Mb/s to 10Gb/s) and fiber cables (10Mb/s to 100Gb/s)

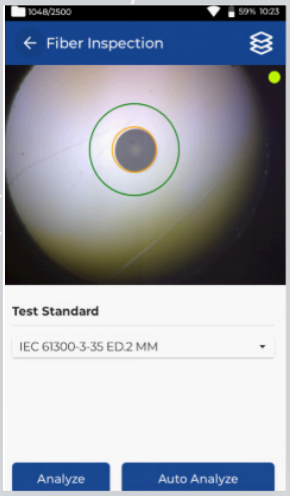
Complete PoE Testing
Perform load tests up to 90 watts to ensure power delivery to the latest PoE devices

High Capacity Li-Po Battery
54 Wh battery provides 10-hour operation on a single charge

Complete Connectivity
Gigabit Ethernet port
2 x USB A ports

Live wiremap
Instant wiremap result before the Autotest begins

Supports Fiber Optic Inspection Microscope
Check connector quality and perform automatic, Pass/Fail testing to IEC 61300-3-35 standard



Integrated TREND AnyWARE Cloud
Pre-configure jobs and tests in the TREND AnyWARE Cloud, eliminating potential mistakes

SFP+ Test Port
Test dB loss & length of fiber optic cables, plus connect to active networks for diagnostic testing

RJ45 Test Port
Cable Qualification of copper cables and Ethernet diagnostics on active networks

Visual Fault Locator
Integrated red laser source to verify fiber continuity and detect breaks or bends in racks and cabinets

External Wi-Fi Antenna
Connect the included external antenna for longer range Wi-Fi reception on 2.4/5GHz networks or use a 3rd party directional antenna to easily locate hidden APs

USB-C Port
Battery charging and additional device connectivity

Gigabit Ethernet
Management port for AnyWARE Cloud sync, TeamViewer and VNC remote control

USB-A ports
Connect external Wi-Fi adapters*, memory sticks, keyboard, mouse, barcode scanners and other accessories

Which SignalTEK QT model is right for you?

Feature	SignalTEK QT Pro The ultimate copper, fiber and Wi-Fi qualifier R166001	SignalTEK QT 10 gigabit cloud connected copper qualifier R166002
Copper cable length and TDR fault location with support for up to 12 remotes	COPPER	COPPER
Fiber cable length	FIBER	×
Copper qualification - 10Mb/s, 100Mb/s, 1Gb/s, 2.5Gb/s, 5Gb/s, 10Gb/s	✓	✓
Fiber attenuation (dB loss)	✓	×
Integrated visual fault locator (VFL) with 2.5mm connector and 1.25mm (LC) adapter. Steady and flashing operating modes	✓	×
Fiber optic connector inspection microscope Pass/Fail testing to IEC 61300-3-35	Optional	×
Switch port info: speed, name, port number, address	COPPER FIBER	COPPER
Wi-Fi AP scan with conflict check and Wi-Fi signal strength	✓	✓
Wi-Fi site scan with AP information, channel map, Tx/Rx rates, channel utilization, AP location with external antenna	✓	×
Live Wiremap	✓	✓
Network diagnostics: ping, traceroute, device discovery, switch port info, number, port utilization history	COPPER FIBER WI-FI	COPPER
Identify Port VLAN	✓	✓
PoE load test: 802.3 af/at/bt up to 90 watts	✓	✓
Interface ports	RJ45 test port, ext. Wi-Fi antenna, SFP+, VFL, wired Ethernet, 2 x USB A, USB C	RJ45 test port, wired Ethernet, 2 x USB A, USB C
Touchscreen	✓	✓
Internal storage for 2,500 test results	✓	✓
Project management, test pre-configuration, results storage and upload/download, PDF reporting	TREND AnyWARE CLOUD Wi-Fi/RJ45	TREND AnyWARE CLOUD Wi-Fi/RJ45
TeamViewer® and VNC remote control	✓	✓
Bundles offering and trade-in options	✓	✓

SignalTEK QT Series

10 Gigabit Copper & Fiber Qualification Tester

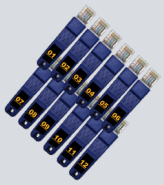
SignalTEK QT Pro shown above.

Ordering information

Part No	Kit Contents
R166001	**SignalTEK QT Pro 10 Gigabit Copper & Fiber Qualification Tester.** 10G copper/fiber qualifier with Wi-Fi (internal and external antennas), soft carry case, 1 x plug (male) copper remote – ID #1, 1 x socket (female) copper remote – ID #1, 2m Cat 6A shielded patch cord, 1 x 850nm MM high stability SFP module, 1 x LC-LC and 1 x LC-SC OM3 MM duplex patch cords, 1 x LC and 1 x SC multimode fiber loopback remotes, 2.5 & 1.25mm fiber cleaning pen, USB-C charger with changeable plugs.
R166002	**SignalTEK QT 10 Gigabit Copper Qualification Tester.** 10G copper qualifier, soft carry case, 1 x plug (male) copper remote – ID #1, 1 x socket (female) copper remote – ID #1, 1m Cat 6A shielded patch cord, USB-C charger with changeable plugs.
STQT-PRO-KIT-3Y	**SignalTEK QT Pro 10 Gigabit Copper & Fiber Qualification Kit with 3 Year Warranty.** 10G copper/fiber qualifier with Wi-Fi (internal and external antennas), 12 x plug (male) copper remotes – ID #1-12, 12 x socket (female) copper remote – ID #1-12, 1 x 1310nm SM high stability SFP module, 1 x 850nm MM high stability SFP module, 1 x LC-LC and 1 x LC-SC SM and MM duplex patch cords, 1 x LC and 1 x SC SM and MM fiber loopback remotes, 2.5 & 1.25mm fiber cleaning pens, cable tracing probe, hard carry case.
TRADE166001	**Trade-in to a SignalTEK QT Pro 10 Gigabit Copper & Fiber Qualification Tester.**
TRADE166002	**Trade-in to a SignalTEK QT 10 Gigabit Copper Qualification Tester.**

Valid testers for Trade-in: LinkIQ™, Link IQ™ Duo, LinkRunner™, EtherScope™, OneTouch™, Cable IQ™, NetXpert™, LANXpert™, NaviTEK™, SignalTEK™ or any 100MHz or higher ISO/TIA compliant cable certifier.

Optional Accessories

Part No.	Kit Contents
R166020	 **Kit of 12 x RJ-45 remote plugs (#1 - #12)**
R166021	**Kit of 12 x RJ-45 remote sockets (#1 - #12)**
R166028 R166029	**Fiber testing kits:** **(R166028)** 1310nm multimode/single-mode **(R166029)** 1550nm single-mode High performance SFP module with LC & SC fiber loopback remotes and LC & SC patch cords (Sold with R166028 and R166029)
R166036	**Folding kickstand** Compatible with SignalTEK QT and QT Pro

For full list of accessories please visit www.trend-networks.com

* SignalTEK QT Pro supports Wi-Fi 6 USB adapters that utilize MediaTek chipsets.

TREND NETWORKS
CLOUD CONNECTED TESTERS

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