TREND NETWORKS

Which tester is right for me?

Product overview - capabilities and included items

Start with the job - then choose the tool

SignalTEK QT qualifies cabling. NaviTEK III troubleshoots networks. Kit columns show additions and replacements.

SignalTEK QT Pro Kit

STQT-PRO-KIT-3Y



Complete SM / MM qualification

BEST FOR

Installation and campus teams qualifying copper and both single-mode and multimode fiber, with a complete field accessory kit.

COPPER
RF qualification to 10G;
live wiremap and fault distance

FIBER
Loss + length qualification to 100G;
SM and MM accessories included

WI-FI
2.4/5 GHz AP scan, channel map, utilization, AP location and IP tests

PoE
90W PoE++ Pass/Fail load test

TEST METHOD
RF copper qualification;
fiber loss + length qualification

NETWORK TESTS
Ping, Trace Route and Netscan over copper, fiber or Wi-Fi.

REPORTING
AnyWARE Cloud + on-board PDF;
VNC + TeamViewer remote control

INCLUDED ITEMS

Everything with R166001, with:
Remotes expanded to IDs 1-12 (12 plug + 12 socket); added SM SFP, jumpers and loopbacks;
analog tracing probe; 3-year total warranty.
One hard case replaces soft case.

SignalTEK QT Pro

R166001



Copper + fiber qualification

BEST FOR

Technicians qualifying copper and multimode fiber, with full Wi-Fi diagnostics and the flexibility to add single-mode accessories.

COPPER
RF qualification to 10G;
live wiremap and fault distance

FIBER
Loss + length qualification to 100G;
add R166028 for single-mode fiber

WI-FI
2.4/5 GHz AP scan, channel map, utilization, AP location and IP tests

PoE
90W PoE++ Pass/Fail load test

TEST METHOD
RF copper qualification;
fiber loss + length qualification

NETWORK TESTS
Ping, Trace Route and Netscan over copper, fiber or Wi-Fi.

REPORTING
AnyWARE Cloud + on-board PDF;
VNC + TeamViewer remote control

INCLUDED ITEMS

1 plug + 1 socket remote; 1m Cat 6A patch cord; USB-C charger; external antenna; 850nm MM SFP; MM LC/SC jumpers and loopbacks; 1.25mm + 2.5mm cleaning pens; soft case; quick reference guide.

SignalTEK QT

R166002



Copper qualification

BEST FOR

Copper installation teams that need 10G qualification, PoE validation and active network diagnostics without fiber testing.

COPPER
RF qualification to 10G;
live wiremap and fault distance

FIBER
Not supported

WI-FI
2.4/5 GHz AP scan, conflict check and signal strength

PoE
90W PoE++ Pass/Fail load test

TEST METHOD
RF copper qualification

NETWORK TESTS
Ping, Trace Route and Netscan over copper.

REPORTING
AnyWARE Cloud + on-board PDF;
VNC + TeamViewer remote control

INCLUDED ITEMS

1 plug + 1 socket remote;
1m Cat 6A patch cord;
USB-C charger; soft carry case;
quick reference guide;
1-year standard warranty.

NaviTEK III Kit

R166006



Equipped for network diagnostics

BEST FOR

Campus and field teams troubleshooting copper, fiber, Wi-Fi and secure networks, with fiber accessories ready to use.

COPPER
10G switch-port speed detection;
live wiremap and fault distance

FIBER
1G network tests + fiber length;
SM and MM accessories included

WI-FI
Built-in 2.4/5 GHz diagnostics;
6/6E/7 via optional R166051

PoE
90W PoE++ Pass/Fail load test

TEST METHOD
Network troubleshooting;
no cable performance qualification

NETWORK TESTS
Ping, Trace Route and Netscan over copper, fiber or Wi-Fi.

REPORTING
AnyWARE Cloud + on-board PDF;
VNC + TeamViewer remote control

INCLUDED ITEMS

Everything with R166004, with:
Remotes expanded to IDs 1-12 (12 plug + 12 socket); SM/MM SFPs, jumpers, loopbacks; 1.25mm + 2.5mm cleaners; analog tracing probe.
One hard case replaces soft case;
3-year total warranty.

NaviTEK III

R166004



Flexible network troubleshooting

BEST FOR

IT technicians isolating copper, PoE, Wi-Fi, VLAN and IP-service faults, with the flexibility to add fiber accessories as needed.

COPPER
10G switch-port speed detection;
live wiremap and fault distance

FIBER
Fiber-ready: add SFPs for IP tests;
add loopbacks for fiber length

WI-FI
Built-in 2.4/5 GHz diagnostics;
6/6E/7 via optional R166051

PoE
90W PoE++ Pass/Fail load test

TEST METHOD
Network troubleshooting;
no cable performance qualification

NETWORK TESTS
Ping, Trace Route and Netscan over copper, fiber or Wi-Fi.

REPORTING
AnyWARE Cloud + on-board PDF;
VNC + TeamViewer remote control

INCLUDED ITEMS

1 plug + 1 socket remote;
1m Cat 6A patch cord;
USB-C charger; external antenna;
soft case; quick reference guide.
SFPs not included.
1-year standard warranty.

All five include USB-C chargers and 1m Cat 6A copper patch cords. Expanded remote sets and hard cases replace the base versions.

TREND NETWORKS

Which tester is right for me?

Detailed capabilities and included accessories

CAPABILITY	SignalTEK QT Pro Kit STQT-PRO-KIT-3Y	SignalTEK QT Pro R166001	SignalTEK QT R166002	NaviTEK III Kit R166006	NaviTEK III R166004
COPPER CABLING					
Copper RF qualification (maximum)	10G	10G	10G	Not supported	Not supported
Live wiremap, length and distance to fault	✓	✓	✓	✓	✓
Tone generator	Analog + 2 digital	Analog + 2 digital	Analog + 2 digital	Analog + 2 digital	Analog + 2 digital
FIBER CABLING					
Fiber loss + length qualification (maximum)	100G*	100G*	Not supported	Not supported	Not supported
Fiber length with SFP + loopback	Included	Included	Not supported	Included	Optional accessories required
SFP optical-power diagnostics	Tx/Rx power	Tx/Rx power	Not supported	Tx/Rx dBm + relative dB	Tx/Rx dBm + relative dB
SFP temperature display	Celsius / Fahrenheit	Celsius / Fahrenheit	Not supported	Celsius / Fahrenheit	Celsius / Fahrenheit
Integrated visual fault locator	✓	✓	Not supported	✓	✓
USB microscope with automatic Pass/Fail	Optional R163-VIP	Optional R163-VIP	Not supported	Optional R163-VIP	Optional R163-VIP
WI-FI - CURRENT RELEASED CAPABILITIES					
AP scan, conflict check and signal strength	✓	✓	✓	✓	✓
Channel map, utilization and AP location	✓	✓	Not supported	✓	✓
Built-in Wi-Fi radio bands	2.4 / 5 GHz	2.4 / 5 GHz	2.4 / 5 GHz	2.4 / 5 GHz	2.4 / 5 GHz
Wi-Fi 6 / 6E / 7 and 6 GHz diagnostics	Not supported	Not supported	Not supported	Optional R166051	Optional R166051
ACTIVE NETWORKS AND PoE					
Advertised copper port speed detected (max.)	10G	10G	10G	10G	10G
Copper active IP test link speed (max.)	1G	1G	1G	1G	1G
Fiber active IP test link speed	1G	1G	Not supported	1G	1G; optional SFP
CDP / LLDP / EDP switch and port discovery	✓	✓	✓	✓	✓
VLAN discovery / identification	✓	✓	✓	✓	✓
Tagged VLAN operation / 802.1X	Not supported	Not supported	Not supported	✓	✓
Dedicated DHCP / DNS / gateway health view	Not supported	Not supported	Not supported	✓	✓
Ping / Trace Route / Netscan - copper	✓	✓	✓	✓	✓
Ping / Trace Route / Netscan - fiber	Included	Included	Not supported	Included	Optional accessories required
Ping / Trace Route / Netscan - Wi-Fi	✓	✓	Not supported	✓	✓
PoE load test (maximum)	90W PoE++	90W PoE++	90W PoE++	90W PoE++	90W PoE++
INCLUDED ACCESSORIES AND REPORTING					
Copper remotes (plug / socket)	12 / 12	1 / 1	1 / 1	12 / 12	1 / 1
Copper Cat 6A patch cord	1m	1m	1m	1m	1m
Included SFPs	850nm MM + 1310nm SM	850nm MM	Not included	850nm MM + 1310nm SM	Not included
Included fiber jumpers / loopbacks	MM + SM; LC / SC	MM; LC / SC	Not included	MM + SM; LC / SC	Not included
1.25mm + 2.5mm fiber cleaning pens	Included	Included	Not included	Included	Not included
Carry case	Hard	Soft	Soft	Hard	Soft
Cable tracing probe	Analog included	Optional	Optional	Analog included	Optional
Cloud projects / PDF / VNC / TeamViewer	✓	✓	✓	✓	✓

✓ Supported | Included = required accessories supplied | Optional accessories required = sold separately

* QT Pro qualifies fiber to IEEE 802.3 loss / length limits up to 100G using TREND SFPs; compatible SFPs support 1G fiber IP tests.
NaviTEK III fiber length requires a loopback and a compatible TREND or third-party SFP with Phased Loop Lock support.
Wi-Fi 6/6E/7 and 6 GHz diagnostics require R166051 on NaviTEK III. These diagnostics are not supported on QT / QT Pro.
10G port-speed detection differs from a network connection: all five connect at up to 1G. Qualification does not replace ISO/TIA certification.