TREND NETWORKS

Which SignalTEK is right for me?

Product overview - capabilities and included items

Start with the job - then choose the tool

Compare cable performance testing, network diagnostics and the accessories supplied with each SKU.

SignalTEK 10G Pro

R157003



Full-link 10G performance

BEST FOR

Campus, data center and enterprise teams commissioning complete copper/fiber links and switches.

COPPER
10G data transmission

FIBER
10G data transmission

WI-FI
Cloud connection only;
no Wi-Fi diagnostics

PoE
90W PoE++ Pass/Fail load test

TEST METHOD
IEEE 802.3 bi-directional packet-loss testing

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

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

INCLUDED ITEMS

Display + remote handsets; two Li-ion batteries; two PSUs; two 2m Cat 6A shielded patch cables; two hanging straps; carrying case; quick reference guide.

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.

SignalTEK NT

R156005



1G full-link testing

BEST FOR

System integrators proving 1G performance across copper, fiber and active switches, with Ping, Trace Route and device counts.

COPPER
1G data transmission

FIBER
1G data transmission;
requires suitable SFPs

WI-FI
USB adapter for report transfer;
no Wi-Fi diagnostics

PoE
30W PoE+ load test

TEST METHOD
IEEE 802.3 bi-directional packet-loss testing

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

REPORTING
On-board PDF;
AnyWARE mobile app

INCLUDED ITEMS

Display + remote handsets; two rechargeable power modules; two PSUs with regional adapters; two 30cm RJ45 patch cables; USB Wi-Fi adapter; carrying case; quick reference guide.

SignalTEK CT

R156006



1G copper testing

BEST FOR

Cable installation and maintenance teams where 1G proof of copper cabling performance is accepted.

COPPER
1G data transmission

FIBER
Not supported

WI-FI
USB adapter for report transfer;
no Wi-Fi diagnostics

PoE
Not supported

TEST METHOD
IEEE 802.3 bi-directional packet-loss testing

NETWORK TESTS
Not supported

REPORTING
On-board PDF;
AnyWARE mobile app

INCLUDED ITEMS

Display + remote handsets; two rechargeable power modules; two PSUs with regional adapters; two 30cm Cat 5e STP patch cables; USB Wi-Fi adapter; carrying case; quick reference guide.

QT / QT Pro include 1m copper patch cords and USB-C chargers. Other SignalTEK models include the power supplies listed above.

TREND NETWORKS

Which SignalTEK is right for me?

Detailed capabilities and included accessories

CAPABILITY	SignalTEK 10G Pro R157003	SignalTEK QT Pro R166001	SignalTEK QT R166002	SignalTEK NT R156005	SignalTEK CT R156006
COPPER CABLING					
Performance test	10G data transmission	10G RF qualification	10G RF qualification	1G data transmission	1G data transmission
Wiremap, length and distance to fault	✓	✓	✓	✓	✓
Tone generator	Analog	Analog + 2 digital	Analog + 2 digital	Analog	Analog
PoE load test (maximum)	90W PoE++	90W PoE++	90W PoE++	30W PoE+	Not supported
FIBER CABLING					
Performance test	10G data transmission	100G loss / length*	Not supported	1G data transmission	Not supported
Attenuation / optical loss measurement	✓	✓	Not supported	Not supported	Not supported
Fiber length measurement	Optional accessories required	Included	Not supported	Not supported	Not supported
Integrated visual fault locator	Not supported	✓	Not supported	Not supported	Not supported
USB microscope with automatic Pass/Fail	Not supported	Optional R163-VIP	Not supported	Not supported	Not supported
SFP Tx/Rx power and temperature	✓	✓	Not supported	Not supported	Not supported
WI-FI					
Cloud / report connection	Built-in / Cloud	Built-in / Cloud	Built-in / Cloud	USB / AnyWARE app	USB / AnyWARE app
Wi-Fi diagnostics	Not supported	Advanced 2.4 / 5 GHz	Basic AP / signal scan	Not supported	Not supported
AP / SSID scan and signal strength	Not supported	✓	✓	Not supported	Not supported
Channel map, utilization and AP location	Not supported	✓	Not supported	Not supported	Not supported
Wi-Fi 6 / 6E / 7 diagnostics (current)	Not supported	Not supported	Not supported	Not supported	Not supported
ACTIVE NETWORK DIAGNOSTICS					
Copper active network link speed (max.)	10G	1G	1G	1G	Not supported
Fiber active network link speed (max.)	10G	1G	Not supported	1G	Not supported
CDP / LLDP / EDP switch and port discovery	✓	✓	✓	✓	Not supported
VLAN identification	✓	✓	✓	✓	Not supported
Port blink	✓	✓	✓	✓	Not supported
Ping IPv4 / IPv6	✓	✓	✓	✓	Not supported
Trace Route	✓	✓	✓	✓	Not supported
Device discovery	IP / MAC list	IP / MAC list	IP / MAC list	Device count only	Not supported
Maximum available throughput test	✓	Not supported	Not supported	Not supported	Not supported
Uptime / network-availability monitoring	✓	Not supported	Not supported	Not supported	Not supported
REPORTING AND REMOTE SUPPORT					
On-board PDF reports	✓	✓	✓	✓	✓
AnyWARE Cloud projects and reporting	✓	✓	✓	Not supported	Not supported
VNC and TeamViewer remote control	✓	✓	✓	Not supported	Not supported

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

* QT Pro qualifies fiber using loss and length against IEEE 802.3 limits up to 100G; TREND high-accuracy SFPs are required.
QT Pro supports 1G fiber IP testing with compatible SFPs. R166028 single-mode 10G SFP kit is sold separately for R166001.
QT / QT Pro active IP tests connect at up to 1G. Their 10G copper qualification is a cable RF sweep, not a 10G network connection.
SignalTEK 10G Wi-Fi connects to AnyWARE Cloud; it does not perform Wi-Fi diagnostics. Qualification does not replace ISO/TIA certification.