

Softing IT Networks PORTFOLIO



Structured Cable Certifiers

Looking to expand your fleet of cable certification testers, but your current vendor is overpriced?

What if you could get 2 Ethernet cable certifier kits for the price of 1 from others, without sacrificing certification, and with clear differentiation?

Approved by over 30 cable manufacturers

WireXpert is a Global TIA certifier, ETL tested, and set apart by including a powerful processor in every tester; no blind testers, and you get 2 WireXpert kits for the price of 1 from others.



Clear differentiation

The processor in every tester is the project difference maker when certifying cables.

Take a look at the local tester and the remote tester to the right; the processor enables graphic displays at both ends of the cable to facilitate on-the-job troubleshooting and maximize project efficiency.

The processor enables 4 certifiers to be linked together for large projects. You can have a team of 3 certifiers roaming the building linked to 1 certifier at the MDF (main distribution frame). You can't do that with a blind remote.

With processors in each cable tester, the WireXpert is firmware upgradeable making it more future proof than other's, that is, less susceptible to constant obsolescence.

Try the 2fer kit. You'll miss nothing from you existing cable certifier. It's the most affordable and most powerful certification kit on the market.

Remember:

Dual Control System is your project difference maker.

- Graphical displays at both ends of the cable -- local and remote!
- Faster when testing alone
- Easier when troubleshooting
- Processors make testers upgradeable



Copper Ethernet Cable Certification

Approved by over 30 cable manufacturers. Only Dual Control System Platform that increases your efficiency by 50% when troubleshooting by yourself.

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WireXpert 500 WX500-CU-US

- 2 identical devices (local and remote) with Dual Control System
- Li-ion batteries
- Calibration certificate
- eXport reporting software
- CAT 6A channel adapters
- Talksets, USB stick
- Carrying case
- CAT 8 adapter and license sold separately
- Ask about the 2fer promotion

 Copper




WireXpert 4500 Copper/Fiber Kit WX4500-MMSM-FA2

- Includes everything from WX4500-FA
- Encircled flux MM adapters and cord kit
- Encircled flux SM fiber adapters and cord kit
- Includes CAT 8 license; CAT 8 sold separately

 Copper

 Fiber optic



 Fiber optic

 Copper

WireXpert 4500

- WireXpert 4500 is Softing's flagship certifier and only platform with the Dual Control System -- Graphical displays at both ends of the cable!
- CAT 5/5e/6/6A/7/7A and first cable certifier to offer CAT 8 certification
- Exceeds requirements of ISO level VI, V, IV, IIIe, and TIA Level 2G and IIIe accuracy requirements, ETL verified
- Fiber optic certification at 850/1300nm MM and 1310/1550nm SM
- Independently approved for use by over 30 cable manufacturers to enable cable warranty after installation
- Professional reporting software

WireXpert

Structured Cable Certifier

Fiber Optic Testing

Looking to expand your fleet of cable certification testers, but your current vendor is overpriced?

What if you could get started certifying copper and fiber cables without sacrificing cable tester features, and with clear differentiation, for half the price of others?

Tier 1 Fiber Certification

FiberXpert 700 is a light source on the local side of the cable and power meter on the remote side for your Tier 1 fiber certification projects.

FiberXpert 700 comes with color LCD, shows pass/fail status, can store up to 10,000 readings, and creates professional reports.

FiberXpert 700 is a Quad MM/SM test kit which means it can be used to perform link certification for both multimode and singlemode fiber.



Tier 1 Certifier

Tier 2 Fiber Certification

Tier 2 certification is not second tier; Tier 2 fiber certification means indirect light loss measurements calculated through reflections, which also means powerful troubleshooting. Where Tier 1 is a direct measure of light loss from one end of the cable to the other, Tier 2 uses light reflections, from just one end of the cable, to calculate light loss and events such as bends, breaks, and splices. These calculations of "events" are what makes the FiberXpert OTDR 5000 so powerful.

The Smart Link Mapper in the optical time domain reflectometer (OTDR) turns difficult to understand graphs into clear, easy to read diagram of your fiber's events along the cable. Events such as splices, bends, or breaks and even overall loss can all be detected and quantified.

FiberXpert OTDR 5000 supports both MM and SM and 850/1300/1310/1550 nm wavelengths. Loss pass/fail is according to TIA/IEC global standards, and end face evaluation to IEC 61300-3-35.

Remember:

Softing has both Tier 1 and Tier 2 fiber certification solutions.

- FiberXpert 700 is the smallest Tier 1 certification platform, certifies both MM and SM links and supports 7 wavelengths
- FiberXpert OTDR 5000 also certifies MM and SM links, gives you Smart Link Mapper for easy, graphical interpretation of fiber events for Tier 2 fiber certification



Tier 2 Certifier

Fiber Ethernet Cable Certification

Smallest Tier 1 Fiber Certifier.

Easy to use Tier 2 Fiber Analytics in Graphical Display for Powerful Troubleshooting.

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FiberXpert 700 Tier 1 Certifier

237114

- 1 quad light source (local tester)
- 1 Power meter (remote tester)
- Carrying case
- USB flash drive with reporting software
- Universal adapters for 1.25 mm and 2.5 mm ferrule
- Calibration certificate



FiberXpert OTDR 5000 Tier 2 Certifier

226534

- 1 optical time domain reflectometer (OTDR)
 - supports multimode, singlemode, 850/1300/1310/1550 nm wavelengths
- SC compatible MM module
- SC compatible SM module
- Reporting software
- Batteries
- Power supplies
- Carrying case
- Calibration certificate



More Fiber Tools

One-click cleaner for

2.5 mm connector: ST, SC, FC, and LC

XC-AC-CMACH-STSCFC

and for 1.25 mm connectors, LC

XC-AC-CMACH-LC

CleanSlide for APC, MU, etc.

XC-AC-CSLIDE



Fiber optic microscope
226539

226114



Cleaning Kits

For cleaning contaminated fiber end faces, for cleaning after disconnecting existing fiber, for cleaning before connecting new fiber

End face inspection microscope

For inspecting fiber end faces after disconnecting, after cleaning, and before connecting

Visual Fault Locator (VFL)

Shine a light down one end of the fiber with the VFL and locate the fiber in a bundle at the other end. Also, find breaks in the fiber when visible light is shining through the fiber jacket

Cable Qualification + BERT

Are you looking to:

- prove Ethernet cable performance
 - for your application
 - as it's installed
 - in your environment

BERT (bit error rate tester)

The NetXpert XG2, with bit error rate testing, sends data through your cable per IEEE 802.3 standards, for as long as needed, to prove the cable will work for your application.

Run BERT while machines are cycled on and off. Run BERT while Ethernet cables are moving or swinging, or in a high EMI environment. Run BERT on a 300 meter long cable.

If BERT passes, then the cable will perform for your application, as it's installed, in your environment. And you'll have proof of a passing test with a professional report.

While a BERT test passing ensures you have zero bit errors during data transmission, the NetXpert XG2 is also running a signal-to-noise ratio test to ensure signal is high enough and noise is low enough. NetXpert XG2 is also performing a wiremap and a delay skew test. During connector installation, or even during cable manufacturing, if some cable pairs are longer than the others, then delay skew can be too high and can keep switches from properly reading data on the cable.

Cable Tester and Active Network Tester

NetXpert XG2 tests cable performance

- BERT, SNR, Delay Skew, and Wiremap over copper
- Includes BERT testing to 1Gb/s
- Optional license for 5Gb/s and 10Gb/sec BERT
- NetXpert XG2 PLUS kit tests BERT over fiber

NetXpert XG2 tests active networks

- Test your SFPs with the fiber extension kit
- Test copper or fiber switch configuration
- Check switch that PoE is enabled, and perform a PoE load test
- Check for duplicate IPs
- Perform network discovery, DHCP, LLDP, CDP, ping, traceroute
- Test Wi-Fi access points for signal strength for each SSID (network name) and BSSID (hardware device)

Remember, you have two test types for critical applications:

Certification

- Tests cable specs
- To enable cable warranty
- Doesn't send data across cable to prove applications

BERT (bit error rate test)

- Moves data across the cable
- To prove performance, for applications, in harsh environments
- Qualification doesn't test cable specs for warranty



Ask about fiber accessories, license upgrades, SFP modules, remote identifiers, fiber microscope, or industrial accessories



Qualification + BERT

BERT (bit error rate test) is the only way to prove Ethernet cable performance for your application in your harsh, or EMI, environment

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NetXpert XG2 226737

- Includes main tester and remote tester
- Includes RJ-45 patch cables
- Includes power supplies, batteries, carrying case
- Upgrade your 1Gb/s BERT tester to 5Gb/s or 10Gb/s with the 1-step license 226555
- Extend warranty to 36 months
- Add the industrial kit for your M12 connectors
- Replace worn-out RJ-45 sockets
- Includes swappable SFP bay to test and identify your SFPs



CU Copper

NetXpert XG2 PLUS 226735

NetXpert XG2 PLUS includes items to the right such as 2 RJ-45 patch cables, 2 MM fiber optic patch cables, 2 SM patch cables, power supplies, and hard case. It is upgradeable to...

- Any copper accessory above
- SFP modules are swappable
- Add fiber optic microscope for inspecting end faces
- Add CableMaster VFL for fiber optic continuity checking



CU Copper

FO Fiber optic



NETXPERT
XG2

with Bit Error Rate Testing

Active Network Testing

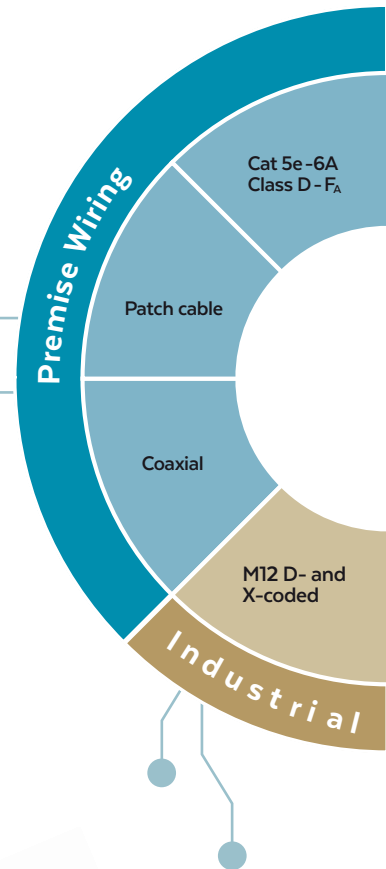
If you need to troubleshoot active copper or fiber Ethernet networks, LinkXpert is the most powerful active network tester, with a touch screen as large as your phone, in a size that fits in your pocket!



LinkXpert TP tests active networks over copper cable.

The following cable and network tests can be run individually or setup in a profile to run automatically in sequence to streamline bulk testing:

- Connect to switch via copper cable and check configuration settings
- Use the smart remote to check copper cable wiring (wiremap) for opens, shorts, and miswires
- Check length of cable
- Perform PoE load tests up to 90W
- Built-in tone generator (for use with optional tone wand) to find unlabeled cables in a bundle or find cable jacks on the far end
- Link speed detection, switch port LED activation
- DHCP, DNS, LLDP, CDP, VLAN discovery, MAC spoofing
- Ping, network discovery, traceroute, duplicate IP detection
- There's nothing more powerful, and this small, and with large touch screen, for active network testing, in this price range



LinkXpert TP

226103

LinkXpert TP includes 2 RJ-45 patch cables, 1 smart remote, power supplies and hard case.



Active Network Tester

Active Network Testing

Wiremap, length of cable, PoE, tone generator, link status, DHCP, network discovery, ping, duplicate IP finder, traceroute, LLDP, CDP, VFL, Tx/Rx

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Qualify Active Networks, Copper, Fiber, Wi-Fi

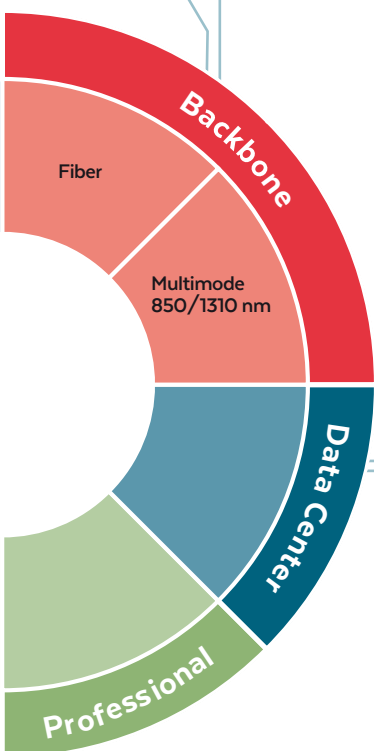
LinkXpert Accessory Kits




-  Fiber optic
-  Copper
-  Network
-  Wi-Fi

LinkXpert M3 tests all 3 media types, including PoE (power over Ethernet) and your SFP (small form-factor pluggable).

The following cable and network tests can be run in addition to all the tests listed for LinkXpert TP:

- Connect to switch via copper or fiber and check configuration settings
- Connect to Wi-Fi access points, check signal strength for each SSID (network name) and BSSID (hardware device)
- Use the built-in VFL (visual fault locator) to find breaks in fiber or locate the fiber at the other end in a bundle or patch panel
- Check transmit and receive power and properties of your SFP
- Connect the optional USB microscope and included LinkXpert M3 end face viewing app to inspect fiber optic end faces to IEEE standards
- Use LinkXpert M3 as a light source and use CableMaster FO as a power meter to check fiber optic attenuation



-  Fiber optic
-  Copper
-  Network
-  Wi-Fi

LINKXPERT
M3

Active Network Tester

LinkXpert M3 ports



LinkXpert M3 226104

LinkXpert M3 gives you the ability to test active networks through 3 media types. Connect to a switch or access point via copper, fiber, or Wi-Fi

- Add LinkXpert basic accessory kit
- SFP modules are swappable
- Add fiber optic microscope for inspecting end faces
- Add CableMaster FO for checking fiber attenuation

Recommended Accessories

Fiber accessories to extend you capabilities

Fiber optic microscope 226539

- 96% of fiber problems are from dirty end faces
- Use with NetXpert XG2, NetXpert XG2 PLUS, and LinkXpert M3
- Inspect end face for passing result to IEEE standards



Fiber Microscope



VFL
226114



XpertClean

For ST, SC, FC, (2.5 mm) and LC (1.25 mm) connectors. Always clean fiber end faces after disconnecting existing fiber and before connecting new fiber optic cables.

- XC-AC-CMACH-STSCFC
- XC-AC-CMACH-LC
- XC-AC-CSLIDE



CABLEMASTER
FO

CableMaster FO 226110

- Optical power meter measures 7 different wavelengths
- Display in dBm/dB/mW
- Includes power/attenuation measurement, VFL, RJ-45 patch cord test, and flashlight
- Simple zero adjustment
- Use LinkXpert M3 as power source. Use CableMaster FO as power meter



Fiber Optic Accessory Kit 226108

1 OM4 test cable LC-LC duplex, 1 OS2 test cable LC-LC duplex, 1 SFP 1Gb/s MM 850nm, 1 SFP 1Gb/s SM 1310nm, 1 LC click cleaner, 1 soft carrying bag.



Professional Accessory Kit 226106

Includes everything in the Installer Accessory Kit plus 1 OM4 test cable LC-LC duplex, 1 OS2 test cable LC-LC duplex, 1 SFP 1Gb/s MM 850nm, 1 SFP 1Gb/s SM 1310nm, 1 LC click cleaner.

Recommended Accessories

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Copper accessories to extend your capabilities

CABLEMASTER PoE



CableMaster PoE 226115

- Test switch port PoE configuration
- Load test up to 90 Watts Class 8
- Length of cable test
- Color display
- Flashlight
- Compatible with Tone Wand

CABLEMASTER 210



226201

- Check wiremapping
- LCD screen, backlit
- Tone generator
- Toolbox tester

Cable Tracker Tone Wand 226007



Installer Accessory Kit

226105

1 adapter RJ45 - Coax F female, 2 adapter RJ45 - RJ11, 7 wiremap remotes (remote #2-#8), 24 coax port identifiers, 24 RJ45 port identifiers, 2 coax F couplers female-female, 1 coupler Coax N male - F female, 1 cable 0.5m Coax F male - Coax F male, 7 cables 0.5m RJ45 - RJ45, 1 cable RJ45 - alligator clip, 1 CP15 cable probe, 1 soft carrying bag



Industrial Accessory Kit

226107

7 wiremap remotes (remote #2-#8), 24 RJ45 port identifiers, 7 cables 0.5m RJ45 - RJ45, 1 cable RJ45 - alligator clip, 1 CP15 cable probe, 1 soft carrying bag, 2 test cables RJ45 - pre-Link®, 2 M12 D sockets, 2 M12 D plugs, 2 M12 X sockets, 2 M12 X plugs).



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