

**WireXpert**  
500

**FIBERXPERT**  
700

WX-FX-Cert Bundle



# Copper and Fiber Certification Bundle

Looking to get started certifying Ethernet cables, but the price of entry is too high from others?

What if you could get started certifying Ethernet cables with a complete copper and fiber cable certification kit for half the price of others?

WireXpert 500 is a Global TIA certifier, ETL tested, and set apart by including a powerful processor in every tester; no blind testers.

FiberXpert 700 is a Tier 1 light source and power meter.

And you get both kits, plus VFL (visual fault locator) for fiber, plus fiber end face cleaning kit in one bundle that's half the price of others.

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

The WireXpert processor enables graphic displays at both ends of the cable to facilitate on-the-job troubleshooting and to maximize project efficiency.

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.

Get started with the copper and fiber bundle. You'll miss nothing from your existing cable certifier. It's the most affordable and most powerful copper and fiber certification kit on the market.

## FEATURES

- Powerful WireXpert copper cable certifier with processors in every tester
- Displays in every WireXpert tester means better certification efficiency for smaller projects when testing alone and troubleshooting at the far end
- Certifies copper Ethernet cable to global TIA standards to CAT 6A and optionally up to CAT 8
- Approved for use by over 30 cable manufacturers to enable warranty after cable installation
- FiberXpert 700 is a Tier 1 light source and power meter
- Includes VFL (visual fault locator)
- Includes fiber optic end face cleaning kit



**WX-FX-Cert Bundle:**  
WireXpert 500 Certifier Kit, FiberXpert 700 kit, VFL 5000, and cleaning kit

Parameters	Specification	
<b>WireXpert COPPER TESTING</b>		
Certification testing	TIA 568-D.2 CAT 5e, 6, 6A, CAT 8, 1005A, MPTL ISO/IEC 11801 series, EN 50173 Class D, E, E <sub>A</sub> , F, F <sub>A</sub> Class I and Class II Permanent link and channel CAT 5e, 6, 6A, 7, 7 <sub>A</sub> , and optional CAT 8 and patch-cords	
Max cable length for dual-ended Autotest	500m	
Insertion cycles	Channel: 10,000 typical, Permanent link: 5,000 typical	
<b>TEST PARAMETERS</b>		
Wiremap	TIA 568A and 568B, crossover variants	
Loop Resistance	0 to 40Ω, ±0.1Ω	
Length	0 to 500m, ±0.5m (dual-ended testing)	
Propagation Delay and Delay Skew	0 to 5000ns, ±1ns	
Attenuation	0 to 70dB, ±0.1dB	
Pair-to-Pair and Power-Sum NEXT	0 to 85dB, ±0.2dB	
Pair-to-Pair and Power-Sum ACRF	0 to 85dB, ±0.2dB	
Return Loss	0 to 40dB, ±0.2dB	
ACRN, PSACRN	0 to 85 dB, ±0.5dB	
Advanced diagnostics	Time-domain fault Locator for RL and NEXT	
Measurement accuracy	Exceeds TIA 1152A Level IIIe, 2G, IEC 61935 Level VI, V, IV, IIIe	
Measurement frequency range	1 - 2,500 MHz	
<b>FiberXpert 700 FIBER TESTING</b>		
Detector Type	InGaAs	
Calibrated Wavelengths <sup>1</sup>	850, 980, 1300, 1310, 1490, 1550, 1625	
Measurement Range	+5 to -70dBm	
Accuracy	±0.15dB	
Display Resolution	0.01dB	
Battery Life	Up to 50 hours (Lithium Polymer)	
Detector Connector Type	2.5mm / 1.25mm universal	
Data Storage	Up to 10 000 data points	
Displayed Measurement Units	dBm, dB, mW, μW, nW	
Modes of Operation	CERT, LOSS, OPM	
Display Type	Hi-resolution Color LCD	
Auto-shutdown	Yes	
Operating Temperature	-10 to 55°C	
Storage Temperature	-30 to 70°C	
Dimensions	2.9 x 4.49 x 1.3in (72.9 x 112.3 x 31.8mm)	
Weight	12oz (373g)	
<sup>1</sup> Bold wavelengths are NIST Traceable Conforms to the Harmonized European Standards EN 61326-1 and EN 61010-1.		
	<b>Multimode</b>	<b>Singlemode</b>
Source	Class 1M	IEC 60825-1 Class 1M
Output Power	-20dBm	-10dBm
Output Modes	CW / modulated	CW / modulated
Initial Accuracy	± 0.1dB	± 0.1dB
<b>GENERAL WireXpert SPECIFICATIONS</b>		
Interfaces	Probe Interface, RJ-45 Ethernet, USB host and device, talkset, power jack	
Display	5" industrial LCD, touch sensitive area on both units	
Enclosure	Ruggedized plastic with rubber over-mold, withstands 1.5m drop test on hard surface	
Remote unit abilities	View test results, save tests, start autotest	
Power supply	AC 100-240V to 12V, 3A power adapter	
Input over-voltage protection	Protected against Telco voltages	
Battery	Removable and rechargeable Li-Ion	
Battery capacity	>8 hours continuous operation	
Internal storage capacity	2000 copper test results with full plot information	
External storage	USB Flash Drive	
Dimensions	232 x 126 x 87 mm (8.7 x 4.3 x 2.1 inch)	
Weight	Approx. 1.4 kg (3lb)/unit	
Supported languages	tw, cs, en, fi, fr, de, it, ja, ko, pl, pt, ru, es, sv, tr	
Calibration period	1 year	
<b>ENVIRONMENTAL</b>		
Operating temperature	0 to 40°C	
Storage temperature	-20 to 60°C	
Relative humidity	10% to 80%	
<b>MINIMUM SYSTEM REQUIREMENTS FOR REPORTING SOFTWARE</b>		
Microsoft Windows 8/10, 32 or 64 bits	Intel Core i3, 2.4GHz and higher	
200MB of free disk space	1GB RAM	
Microsoft.NET Framework 4.0		



## ORDERING INFORMATION

Article number	WX-FX-Cert Bundle
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- Contains:**
- 2 identical WireXpert 500 devices (Local and Remote) with Dual Control System - DCS™
  - 2 Li-Ion batteries
  - 2 power supplies
  - 1 calibration certificate
  - 1 eXport reporting software
  - 2 Cat 6A/Class E<sub>A</sub> Channel adapters
  - 2 Cat 6A/Class E<sub>A</sub> Permanent Link adapters with measurement cable
  - 2 talksets, 1 USB-Stick
  - 1 quick start guide
  - 1 soft carrying case

1 FiberXpert 700 kit, VFL 5000, click cleaners

*Accessory kits for CAT 7 and CAT 8 reference cables and adapters and license sold separately.*

You can find additional product bundles and current offers on our website, or contact us:

[itnetworks.softing.com/us/contact](http://itnetworks.softing.com/us/contact)

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