

# LINKXPERT M3



## The 3 media multitool for easy testing of LAN networks

From SOHO to enterprise networks, today's networks become increasingly complex with a variety of different devices, remote powering and media. A hand-held network multitool is essential to master those modern networks.

LinkXpert M3 is a versatile cabling and network troubleshooter that helps solving network issues from cabling up to complex Ethernet related problems.

With connectivity to all 3 media, copper, fiber and Wi-Fi, LinkXpert M3 is perfect for diagnosing any common LAN Ethernet media.

The device offers a unique combination of cabling tests and extensive ethernet network diagnosis on copper, fiber and Wi-Fi to help users solving daily issues in Ethernet networks and to keep the network up and running 24/7.

For commissioning networks, LinkXpert can run automated tests that can be configured by the user. For example if new PoE switches had been rolled out, LinkXpert can be configured to just test PoE up to 90W and obtain port information like LLDP. For troubleshooting, users can also run all tests individually, e. g. just use the optional video microscope to inspect fiber optic connectors.

### ORDERING INFORMATION

Article number **226104**

#### LinkXpert M3

#### Scope of delivery:

1 main unit, 1 RJ45 smart remote, 1 RJ45 patch cable (50cm), 1 power supply  
1 manual, 1 carrying case

### FEATURES

- Extensive network diagnosis for network commissioning and maintenance on all 3 media (copper, fiber and Wi-Fi) in a hand held device
- Future proof performance with 10Gb/s and PoE++ 90 W
- Automated PASS/FAIL certification of fiber optic connector end-faces with Softing fiber microscope (optional accessory)
- Fiber optic polarity check with visual fault locator
- Comprehensive documentation capabilities, internal PDF generator and external test management software

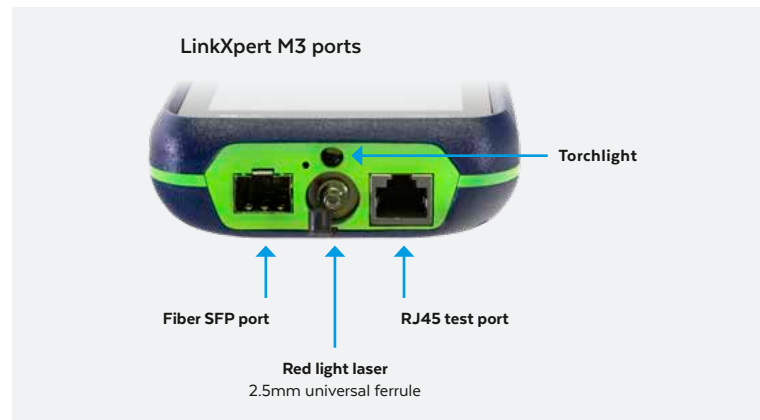


## TECHNICAL SPECIFICATIONS

Copper cable and network tests	Wiremap, length, tone generator, PoE++ load test, Link Speed, Link Light Blink, DHCP, DNS, ping, traceroute, network discovery, duplicate address scanner, LLDP, CDP, VLAN, 802.1x security, MAC spoofing
Fiber cable and network tests	Red light laser, SFP transmit and receive power levels, Link Speed, Link Light Blink, DHCP, DNS, ping, traceroute, network discovery, duplicate address scanner, LLDP, CDP, VLAN, 802.1x security, MAC spoofing
Wireless LAN network tests	Access point scanner, Link Speed, Link Light Blink, DHCP, DNS, ping, traceroute, network discovery, duplicate address scanner, LLDP, CDP, VLAN, 802.1x security, MAC spoofing
Screen	5 1/4" TFT touch screen
Dimensions	160x93x33mm
Weight	400g (incl. internal battery)
Rechargeable Battery	7.2V Li-Ion 3.12Ah , internal, not user changeable
Power supply (device)	12VDC, 2.5A, round connector, center plus
External power supply	AC 100-240V / DC 12V, 3A , EURO, UK and US connector supply
Voltage protection	60VDC, 55VAC
Operating temperature	-10 to 50°C
Storage temperature	20 to 60°C
Humidity	10% to 80%, non-condensing
Copper cabling	<ul style="list-style-type: none"> <li>• Twister pair, RJ45 connector</li> <li>• Coax, F connector (with optional accessory)</li> <li>• Adapter cables for more connectors like M12 D, M12 X, IX available as accessory</li> </ul>
Ethernet	100Mb/s, 1000Mb/s, 10000Mbit/s (only recognition at copper cables)
PoE	IEEE 802.3af, IEEE 802.3at up to class 8, 90W
Tone generator	Integrated, configurable for twisted pair and coax cabling
Torchlight	Integrated, white LED
Fiber optic cabling	via SFP modul, multimode and singlemode, LC connector
Fiber optic microscope	IEC 61300-3-35
Red light source	625nm, class I, <1mW
SFP Bay	Multimode and singlemode modules up to 1Gb/s
Wi-Fi	IEEE 802.11.ac (with external USB stick)

## KITS AND ACCESSORIES

<b>Installer Accessory Kit</b>	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	
<b>Professional Accessory Kit</b>	226106
<b>Installer Accessory Kit plus</b> 1 OM4 testcable LC-LC duplex, 1 OS2 testcable LC-LC duplex, 1 SFP 1Gb/s MM 850nm, 1 SFP 1Gb/s SM 1310nm, 1 LC clickcleaner	
<b>Industrial Kit</b>	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	
<b>Fiber Optic Accessory Kit</b>	226108
1 OM4 testcable LC-LC duplex, 1 OS2 testcable LC-LC duplex, 1 SFP 1Gb/s MM 850nm, 1 SFP 1Gb/s SM 1310nm, 1 LC clickcleaner, 1 soft carrying bag	



You can find additional accessory offers on our website, or contact us:

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

For more information please contact:

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