



**Copper**

	Verifiers				Qualifiers	Certifiers
	CableMaster 210 	CableMaster 500/550 	LinkXpert TP 	LinkXpert M3 	NetXpert XG2/XG2-PLUS 	WireXpert 500/500-PLUS/4500/4500-PRO 

<b>Article number</b>	226201	226512 226580 (550)	226103	226104	226735 (PLUS) 226736 (10G) 226739 (2.5/5G) 226737 (1G)	228071 (500) 228144 (500-PLUS) 228070 (4500) 228280 (4500-PRO)
<b>Application</b>						

**TYPICAL AREAS OF APPLICATION**

Checking wiremap						
Network tests						
PoE measurement (Class 0 - Class 8, 15.4W - 90W, according to IEEE)						
Test of the cabling according to IEEE (100Mb/s, 1Gb/s, 2.5Gb/s, 5Gb/s, 10Gb/s)						
Acceptance measurement according to wiring standard ISO/IEC 11801 (international), EN 50173 (Europe), ANSI/TIA 568 (America)						

**CABLING TESTS**

Wiring test						
Tone generator						
Length measurement						
Configurable autotest						
Bit error rate test up to 10Gb/s						
Signal-to-noise ratio						
Transit time difference measurement						
RF measurement (NEXT, insertion loss, return loss)						
Measuring frequency up to 2500MHz						 (WireXpert 4500/ Wirexpert 4500-PRO)

**NETWORK TESTS**

Ethernet connection			 (up to 1Gb/s)	 (up to 1Gb/s)	 (up to 10Gb/s)	
Ethernet detection			 (up to 1Gb/s)	 (up to 10Gb/s)	 (up to 10Gb/s)	
Configurable autotest (test profiles)						
Network scan (IPv4/IPv6/MAC) with double IP detection						
Activation switch port LED						
DHCP, LLDP/CDP, Ping, Traceroute, VLAN						
802.1x authentication						

**DOCUMENTATION**

Test report creation in the device						
PC evaluation software			in preparation	in preparation	in preparation	
Enterprise cloud connectivity						

inclusive

optional

Copper

Fiber optic

WiFi

Ethernet

# Best IT network measurement with cutting edge technology



## CERTIFIERS

- › Classical acceptance measurements of networks
- › Assessment against application-neutral standards and norms
- › Variety of measured and calculated measurement parameters as pass/fail basis for CU and FO links
- › Determination of polarity and continuity of fiber optic links

## QUALIFIERS

- › Determination of the transmission performance of data links using parameters from the application-related standards
- › Combination of wiring test, signal-to-noise ratio, BERT and delay skew for CU links; BERT, attenuation determination and connector end-face evaluation for fiber optic links provide reliable pass/fail statements



## VERIFIERS

- › Basic test of the cabling
- › Determination of polarity and continuity of fiber optic lines
- › PoE++ load test
- › Ethernet network diagnostics

## ACCESSORIES



You can find more accessories on our website.

Everything about our measuring instruments for copper cabling:



(itnetworks.softing.com/CU)