



Copper

	Verifiers				Qualifiers	Certifiers
	CableMaster 210 	CableMaster 500 	LinkXpert TP 	LinkXpert M3 	NetXpert XG2/XG2-PLUS 	WireXpert 500/500-PLUS/4500/4500-PRO
Article number	226101	226512	226103	226104	226735 (PLUS) 226736 (10G) 226739 (2.5/5G) 226737 (1G)	228071 (500) 228144 (500-PLUS) 228070 (4500) 228280 (4500-PRO)
Application						

TYPICAL AREAS OF APPLICATION

Checking wiremap						
Network tests						
PoE measurement (Class 0 - Class 8, 15.4W - 90W, according to IEEE)						 (DCRU)
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, EN 50173, ANSI/TIA 568						

CABLING TESTS

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

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						

WI-FI

Active network tests (2.4/5GHz 802.11ac, a, b, g, n)						
Wi-Fi signal strength, SSID, BSSID, channel						

DOCUMENTATION

Test report creation in the device						
PC evaluation software			in preparation	in preparation	in preparation	
Enterprise Cloud-Anbindung						

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)