optimize! softing

CU Copper

	Verifiers				Qualifiers	Certifiers
	CableMaster 210	CableMaster 500/550	LinkXpert TP	LinkXpert M3	NetXpert XG2/XG2-PLUS	WireXpert 500/500-PLUS/4500/4500-PRO
Article number	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)
Application	CU	CU	CU ⬜	CU FO 📶 ⬜	CU FO 📶 ⬜	CU FO

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				✅		

WIFI

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

DOCUMENTATION

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

✅ inclusive ⊙ optional CU Copper FO Fiber optic 📶 WiFi ⬜ Ethernet

Best IT network measurement with cutting edge technology

FO

CU FO

FO

CU FO

FIBERXPERT 700

WireXpert Series

FiberXpert OTDR 5000

CU FO

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

NETXPERT XG2-Series

CU CU CU FO FO

CABLEMASTER Series

LINKXPERT Series

VFL 5000

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
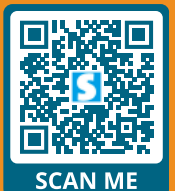
VERIFIERS

› Basic test of the cabling

› Determination of polarity and continuity of fiber optic lines

› PoE++ load test

› Ethernet network diagnostics

ACCESSORIES

CU FO

CableProbe CP15

Video microscope

You can find more accessories on our website.

Everything about our measuring instruments for copper cabling:

SCAN ME

(itnetworks.softing.com/CU)

v3.0822

IT Networks

itnetworks.softing.com