



DTX CableAnalyzer™ Series

Copper certification tester guarantees cabling installations comply with all TIA/ISO standards.

- DTX significantly reduces total certification costs up to 33% a year
- The most used and trusted tester- over 1 billion copper links certified to date
- Independently verified by ETL to meet ISO Level IV and TIA Level IIIe Accuracy requirements
- Analyze test results and create professional test reports using LinkWare reporting software
- **Endorsed** by over 20 cable companies worldwide
- Perform Basic **fiber certification** five times faster with DTX Fiber Modules
- Perform Extended fiber certification

[View Product Demo](#)

[Stop the Finger Pointing](#)

[Contact Me](#)

[Overview](#)

Specifications

[Features](#)

[Models & Accessories](#)

[Specifications](#)

[Documents](#)

[Demos](#)

[Gold Product Support](#)

[Endorsements](#)

Cable Types

Standard Link Interface Adapters

Test Standards

Shielded and unshielded Twisted Pair (STP, FTP, SSTP and UTP) LAN cabling:

- TIA Category 4, 5, 5E, 6 and 6A : 100Ω
- ISO/IEC Class C and D: 100Ω and 120Ω
- ISO/ IEC Class E, F and FA: 100 Ω Cat 6A/Class E_A permanent link adapters TIA Cat 3, 4, 5, 5e, 6, 6A and ISO/IEC Class C, D, E and E_A permanent link
- Cat 6A/Class E_A channel adapters TIA Cat 3, 4, 5, 5e, 6, 6A and ISO/IEC Class C, D, E and E_A channels

- TIA Category 3, 5e, 6 & 6A per ANSI/TIA-568-C.2
- TIA Category 5 (1000BASE-T) per TIA TSB-95
- TIA Category 6 per TIA/EIA-568B.2-1
- TIA TSB-155 (DTX-1800 only)
- ISO TR 24750 (DTX-1800 only)
- ISO/IEC 11801 Class C, D, and E, E_A & F(E_A, F and Fa DTX-1800 only)
- EN 50173 Class C, D, E, E_A & F (E_A, F and Fa DTX-1800 only)
- ANSI TP-PMD
- IEEE 802.3 10BASE-T, 100BASE-TX, 1000BASE-T
- IEEE 802.3an 10GBASE-T

Speed of Autotest	Full 2-way Autotest of Category 6 Twisted-Pair links in 9 seconds Full 2-way Autotest of Category 6A and ISO/IEC Class F links in 22 seconds
Supported Tests Parameters	(The selected test standard determines the test parameters and the frequency range of the tests) Wire Map Length Propagation Delay Delay Skew DC Loop Resistance Insertion Loss (Attenuation) Return Loss (RL), RL @ Remote NEXT, NEXT @ Remote Attenuation-to-crosstalk Ratio (ACR-N), ACR-N @ Remote ACR-F (ELFEXT), ACR-F @ Remote Power Sum ACR-F (ELFEXT), PS ACR-F @ Remote Power Sum NEXT, PS NEXT @ Remote Power Sum ACR-N, PS ACR-N @ Remote Power Sum Alien Near End Xtalk (PS ANEXT) Power Sum Alien Attenuation Xtalk Ratio Far End (PS AACR-F)
Cable Tone Generator	Generates tones that can be detected by a tone probe such as a Fluke Networks IntelliTone probe. The tones are generated on all pairs. Frequency range on all pairs. Frequency range of tones: 440 Hz to 831 Hz
Display	3.7 in (9.4 cm) diagonal, 240 dots wide by 320 dots high, passive color, transmissive LCD with backlight.
Input Protection	Protected against continuous telco voltages and 100 mA over-current. Occasional ISDN over-voltages will not cause damage.
Case	High impact plastic with shock absorbing overmold
Dimensions	Main unit and Smart Remote: 8.5 in x 4.4 in x 2.4 in (21.6 cm x 11.2 cm x 6cm), nominal
Weight	2.4 lb (1.1 kg), nominal (without adapter or module)
Operating Temperature	32 °F to 104 °F (0 °C to 40 °C)
Storage Temperature	-4 °F to 104 °F (-20 °C to 60 °C)
Operating relative humidity (% RH without condensation)	32 °F to 95 °F (0 °C to 35 °C): 0 % to 90 % 95 °F to 113 °F (35 °C to 45 °C): 0 % to 70 %
Vibration	Random, 2 g, 5 Hz -500 Hz
Shock	1 m drop test with and without module and adapter attached
Safety	CSA C22.2 No. 1010.1: 1992 EN 61010-1 1st Edition Amendments 1, 2
Pollution degree	Pollution Degree 2 as defined in IEC 60664 and applied to IEC 60950 "Safety of Information Technology Equipment, 1999"
Altitude	Operating: 4000 m; Storage: 12000 m
EMC	EN 61326-1

Power	<p>Main unit and remote: Lithium-ion battery pack, 7.4 V, 4000 mAh</p> <ul style="list-style-type: none"> • Typical battery life: 12 to 14 hours • Charge time (with tester off): 4 hours (below 40 °C) • AC adapter/charger, USA version: Linear power supply; Input 108 V ac to 132 V ac, 60 Hz ; Output 15 V dc, 1.2 A • AC adapter/charger, international version: Switching power supply; Input 90 V ac to 264 V ac, 48 to 62 Hz; Output 15 V dc, 1.2 A (isolated output) • Memory backup power in main unit: Lithium battery • Typical life of lithium battery: 5 years • The battery will not charge at temperatures outside of 0°C to 45°C (32°F to 113°F). The battery charges at a reduced rate between 40°C and 45°C (104°F and 113°F).
Languages Supported	English, French, German, Spanish, Portuguese, Italian, Japanese, and Simplified Chinese, Traditional Chinese, Korean, Russian, Czech, Polish, Swedish, Hungarian.
Calibration	Service center calibration period is 1 year
Performance Specifications	Note: all specifications for tests on twisted-pair cabling apply to 100 Ω cable. Contact Fluke Networks for information on measurement performance for cable with a different impedance.
Baseline accuracy	Exceeds the requirements of Level IV as in IEC 61935-1/Ed. 3
Category 6A/Class E_A link test modes (and lower link categories)	DTX CableAnalyzer far exceeds Level III requirements of ANSI/TIA-1152 and IEC 61935-1/Ed.3
Class F link test modes	DTX-1800 meets or exceeds the requirements of Level IV as in IEC 61935-1/Ed. 3.
Length for Twisted Pair Cabling	(Length specs do not include the uncertainty of the cable's NVP Value)
Parameter	Single-ended Test Dual-ended Test (Main and Remote)
Range	800 m (2600 ft) - Single-ended Test 150 m (490 ft) - Dual-ended Test (Main and Remote)
Resolution	0.1 m or 1 ft - Single-ended Test 0.1 m or 1 ft - Dual-ended Test (Main and Remote)
Accuracy	± (1m 4%) - Single-ended Test ± (1m 4%) - Dual-ended Test (Main and Remote)
Delay Skew	
Parameter	Twisted Pair Cabling
Range	0 ns to 100 ns
Resolution	1 ns
Accuracy	± 10 ns

DC Loop Resistance Test

Parameter	Twisted Pair Cabling
Range	0 Ω to 53Ω
Resolution	0.1 Ω
Accuracy	± (1 Ω 1%)
Overload Recovery Time	Less than 10 minutes to rated accuracy following over-voltage. Referencing is required after repeated or prolonged over-voltage.

Related Products



CableIQ Qualification Tester



LinkWare Stats™



LinkWare™ Cable Test Management Software



MicroScanner² Cable Verifier

EXPERTISE

- Featured Topics
- Learn About
- Webcasts
- White Papers
- Case Studies

Blogs:

- Cabling Chronicles
- The Decoder



PRODUCTS

- Datacom Cabling
- IT Networking
- Telecom
- Product Finder
- See All Products
- Promotions

SUPPORT

- Gold Product Support
- Downloads & Updates
- Knowledge Base
- Service Centers
- Warranty Information
- Application Notes
- Data Sheets
- Manuals

COMMUNITY

- Forums
 - AirMagnet Partner Extranet
- ABOUT US**
- Careers

NEWS & EVENTS

- News Articles
- Upcoming Events
- Training
- Workshops

SOLUTIONS

- Datacom Cabling
- IT Networking
- Telecom

WHERE TO BUY