

BM251X Gigabit Ethernet Tester

Datasheet

Compact and rugged, BM251X Gigabit Ethernet Tester is handheld test set for 10M/100M/1000M Ethernet installation and maintenance. With the functions of network test, data packet sniffing, traffic generator, cable test and BER test combined into one unit, it is widely used in testing RFC-2544 and Y.1564. It can help the front-line field workers to analyze the network quality and locate the fault rapidly.



Basic Functions

- Support single electrical port (RJ45) and single optical port (SFP) with rate at 10/100/1000Mbps
- Full RFC2544 benchmark test: throughput, frame loss rate, latency, back-to-back
- Support Y.1564 test, including Service Configuration test and Service Performance test
- Layer1, layer2, layer3 BER test, error injection and results statistics
- 8 and 128 multi-streams traffic generator
- Supports monitoring & Statistics under Tx Mode
- Connectivity test: PING, TRACE ROUTE, ARP SCAN, etc
- Jitter test
- Support VLAN, Q-in-Q test function
- Traffic filtration statistic at the receiver end
- Provides test tools like blink port, sniff frame, smart loopback, etc
- Optical power test, and optical module temperature, working current, voltage test, etc
- Cable VCT: capable of identifying short circuit, open circuit, cable length fault location, etc

- Support USB flash drive to exchange the data with the tester
- Test results can be uploaded, filed, conserved and printed by TestManagerPro software via USB cable or Network Cable connected to PC

Option 1

- 128 stations full line rate 10/100/1000Mbps traffic generation

Option 2

- Y.1564 test

Main Features

- Ergonomic, creative design, and easy to carry
- Provides jacket, tie-in protection and hang rope, kickstand, suitable for different field work
- 5.0 inches color capacitive touchscreen, smart menu-driven operations
- Results can be shown graphically and in characters
- RFC2544 automated test, capable of fast network testing and locating the fault
- Working state displayed by LED indicators, characters, icons on LCD
- Auto, Manual or Timer test
- Auto power save function
- Large storage capability of settings and results
- Upgrading embedded software for free

Specifications

Test Interface

Single RJ45 port supports 10/100/1000 BASE-T
 Single SFP port supports 100BASE-FX
 Single SFP port supports 1000BASE-SX/LX/ZX

Supported Standard

IEEE 802.3, RFC1242, RFC2544, Y.1564

LED Indicators

POWER, LINK/ACT, ALARM

Communication Port

USB or Ethernet RJ45 port

Rechargeable Battery

7.4V/5200mAh Li-ion battery, continuous working for more than 2 hours

Charger

Input: AC100~240V, 50/60Hz
 Output: DC 8.4V/1.2A

Recharge Time

Approx. 2 hours

TestManagerPro Software

Supported by WIN2000 /XP

Operating Temperature

0℃~50℃

Storage Temperature

-30℃~70℃

Humidity

5%~95% non-condensing

Dimensions (L×W×H)

250mm×110mm×70mm

Weight (Including batteries)

Approx. 950g

Standard Configurations

- Gigabit Ethernet Tester.....1set
- LAN Test Cable (Through, Black)1pcs
- USB Communication Cable.....1pcs
- Charger.....1pcs
- Li-ion Rechargeable Battery (Built-in) 1pcs
- Setup CD (User's Manual) ...1pcs
- User Guide.....1pcs

- Waterproof Package..... 1pcs
- Quality Certificate Card.....1pcs
- Maintenance Card..... 1pcs
- Packing List..... 1pcs

Annex

- Annex 1..... 1000Base-SX module (MM 850nm)
- Annex 2..... 1000Base-LX module (SM 1310nm)
- Annex 3..... 1000Base-ZX module (SM 1550nm)
- Annex 4..... Patch cord I (Single mode)
- Annex 5..... Patch cord II (Multi-mode)

Ordering Information

- BM251X.... Gigabit Ethernet Tester (without option)
- Option 1.....128 Stations Traffic Generation
- Option 2..... Y.1564 Test

Note:

Annexes are the separable optical module (SFP) and Patch cord (multi-mode/single mode). Type and quantity can be ordered as per client's request.

For more information or a directory from sales offices, please send inquiry to mail address:



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Items		New model BM5251X
Jitter testing		As standard configuration (Free)
BER testing at Layer 1/2/3		As standard configuration (Free)
MPLS		As standard configuration (Free)
128 multi-streams traffic generation		Still as option (pay additionally)
Y.1564 testing		As option (pay additionally)
Color TouchScreen		Larger (5")

Except for the differences above, other functions are same, surely the new model has better price.

Please know that the new model is upgraded from the old model, so it has better performance and quality.