

# XG5051 Gigabit Ethernet Tester

## Datasheet



Compact and rugged, XG5051 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 BER of layer1, layer2, layer3, and RFC-2544. 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
- Single and multi stations traffic generator
- Supports traffic filtration statistic at the receiver end
- Support VLAN test functions
- Connectivity test: PING, TRACE ROUTE, ARP SCAN, etc
- Support through, terminal mode test and frame length, frame type, and utilization stat.
- 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
- Service Disruption Time
- Provides test tools like blink port, sniff frame, etc
- Auto, manual, timer test
- Support mobile media to exchange the data with the tester
- Test results uploaded, filed, conserved and printed by TestManagerPro software via USB port or Ethernet port connected to PC

### Option

- Option 1: 128 stations full line rate 10/100/1000Mbps traffic generator
- Option 2: Jitter test

- Option 3: Layer1, layer2, layer3 BER test, error insertion and results statistics
- Option 4: MPLS test

### Main Features

- Ergonomic, creative design, and easy to carry
- Provides jacket, tie-in protection and hang rope, kickstand, suitable for different field work
- 4.3 inch LCD color touchscreen, smart navigation menu
- Results can be shown graphically and numerically
- RFC2544 automated test, capable of fast network testing and locating the fault
- Working state displayed by LED indicators, LCD characters, icons
- Large storage capability of settings and results, power outage function
- Tester can be on-line upgraded
- Auto power save function

### Configurations

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

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

### Annex

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

## Specifications

### Test Interface

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

### Supported Standard

IEEE 802.3, RFC1242, RFC2544

### LED Indicator

POWER, PORT1 LINK/ACT, PORT2 LINK/ACT, ALARM

### Communication Port

Ethernet/USB port

### Rechargeable Battery

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

### Recharge Time

Approx. 2 hours

### Charger

I/P: AC100~240V, 50/60Hz

O/P: DC 8.4V/1.2A

### TestManagerPro Software

Operation system: WIN2000 /XP

### Operating Temperature

0°C~50°C

### Humidity

5%~95% non-condensing

### Dimension

233mm×110mm×64mm (L×W×H)

### Weight

Approx. 800g

## Ordering Information

XG5051	Gigabit Ethernet Tester
Option 1	128 Stations Traffic Generator
Option 2	Jitter Test
Option 3	L1/L2/L3 BER Test
Option 4	MPLS 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 find the contact information as below:

John Rabba  
Senior Account Manager  
Telecom Test Solutions  
Mobile: 0432 877 907  
Phone: (03) 9023 0189  
Fax: (03) 9700 0583  
Email: [john.rabba@telecomtest.com.au](mailto:john.rabba@telecomtest.com.au)  
Website: <http://www.telecomtest.com.au>



© Copyright 2009 XGXC. All rights reserved. All product and company names are trademarks of their corporations.

Note: Specifications, terms and conditions are subject to change prior to notice.