



MST-3530A

Multi-service Access Network Tester

DADI Telecom

Professional Communication Tester Manufacturer from China



MST-3530A multi-service access network tester is a handheld and integrated tester which supports xDSL, EPON, WLAN and Ethernet. It can make an accurate and quick testing for xDSL, EPON, WLAN and Ethernet. This product is an ideal tool for installation, deployment and maintenance of xDSL, EPON, WLAN and Ethernet, which applies to network operator services, including DSL copper, FTTX optical fiber, wireless and broadband services.

□ Functions

xDSL testing

- xDSL physical layer testing
 - Full support all ADSL standards, including ANSI T1.413 Issue 2, ITU-T G.992.1 G.dmt, G.992.2 G.lite, G.992.3 ADSL2, RE-ADSL2 and G.992.5 ADSL2+
 - Test upstream, downstream, maximum speed and channel utilization
 - Test upstream and downstream noise margin, and output power and power attenuation
 - Error statistics of near end and far end FEC, CRC, HEC, NCD, and OCD
 - Automatically detect and display LOS, LOF, LOC and LOM with the comparison between history and present data
 - Error seconds statistics
 - Display every sub-channel of Bits per Tone by the mean of graphic and number
 - Display every sub-channel of SNR per Tone by the mean of graphic and number
- xDSL network layer testing
 - Support various upper layer protocols, including RFC2684, RFC1483, RFC2516 PPPoE, RFC2364 PPPoA
 - PPPoE/PPPoA dial-up obtain IP address and Ping testing
 - Fixed IP Mode Ping testing
 - Ping testing that includes Ping loss testing with times and package size, Ping loopback latency testing with MAX, MIN and average
 - Traceroute testing
 - ADSL2+ modem replacement
- xDSL application layer testing
 - Web browsing
 - Web rate testing
 - FTP rate testing

■ Cable testing

- Digital Multi Meter, DMM is used to test loop resistance, insulation resistance, capacitance, AC/DC voltage and line length estimation
- Tone generation

EPON testing

■ Optical power testing

- Test OLT transmit light power
- Adjust threshold conveniently for throughput/failure analysis
- Provide ten pre-defined adjustable thresholds at most

■ EPON simulation testing

- Simulate EPON ONU, realize registration and network connection
- Network layer testing: Ping, Ipconfig, Route and traceroute
- Application layer testing: web browsing, web and FTP rate testing

WLAN testing

■ Signal strength testing

- Display signal strength and SNR by the mean of graphic and number
- Evaluate RF covering area via signal strength testing

■ Wireless network card simulation testing

- Simulate wireless network card for network connection, support 802.11b and 802.11g
- Network layer testing: Ping, Ipconfig, Route and traceroute
- Application layer testing: web browsing, web and ftp rate testing

Ethernet testing

■ Basic LAN testing

- Search key equipment on network such as router, SQL server, printer, and list IP address
- Capture the host information of destination equipment, including host name and MAC address
- Capture system name, system ID, system service, ports numbers, system description, route table and port information of destination IP equipment through SNMP
- PPPoE dial-up and DHCP client testing
- Network layer testing: Ping, Ipconfig, Route and traceroute
- Application layer testing: web browsing, web and ftp rate testing

■ Cable testing

- Wiremap and cable length testing
- Tone generation

Others

- Auto power-off
- Sound and LED alarm indication
- Data management
- Software online upgrade

□ Features

- Integrate access network multiple services like xDSL, EPON, WLAN and Ethernet into one box, technician can solve all problems with one tester
- Large screen true color display, touch screen operation
- Windows CE operation system, graphic interface, easy to operate
- Web browsing: built-in IE explorer, browse any web page freely

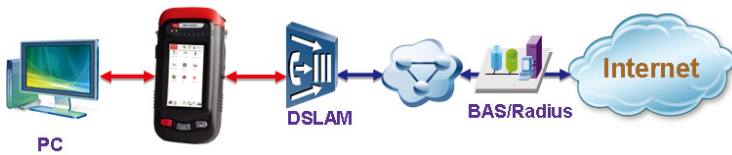
Applications

ATUR+PC emulation

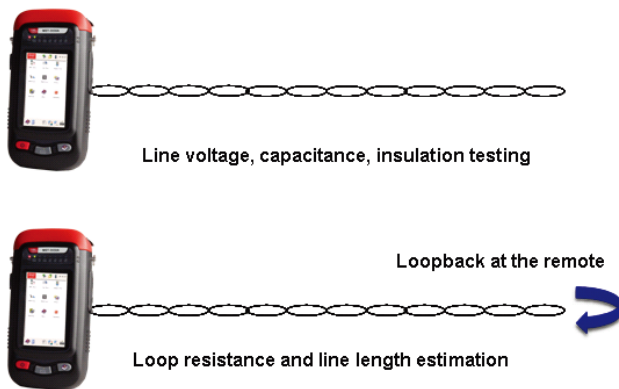
ATUR+PC emulation for xDSL physical layer test, network layer test and application layer test



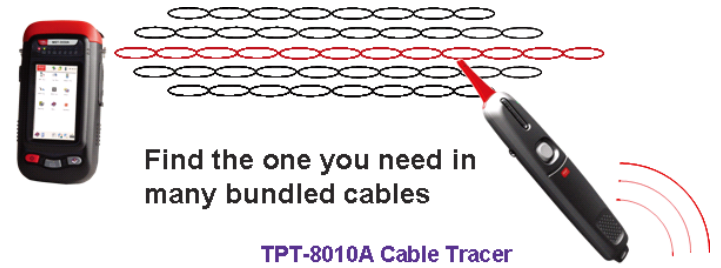
xDSL modem replacement



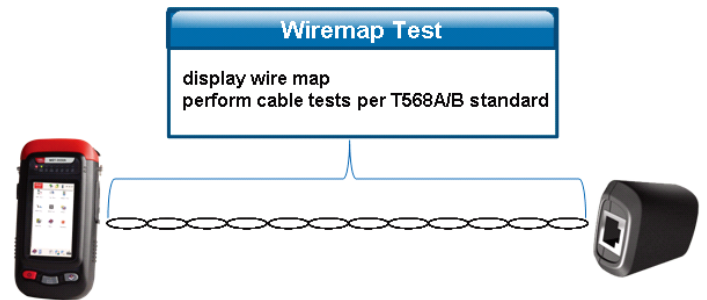
Cable testing



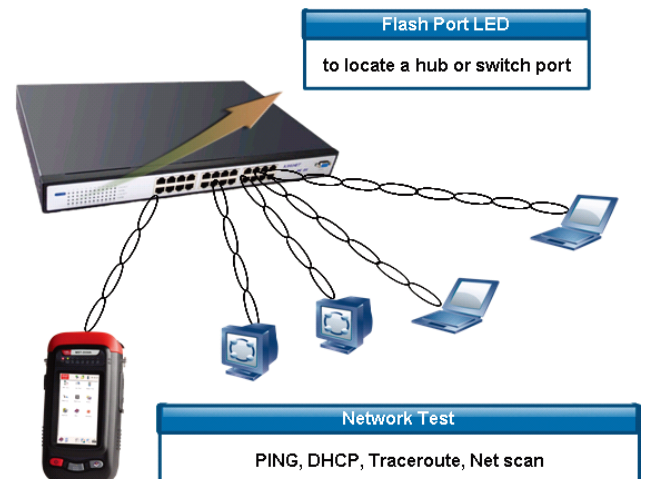
Tone generation



Wiremap testing

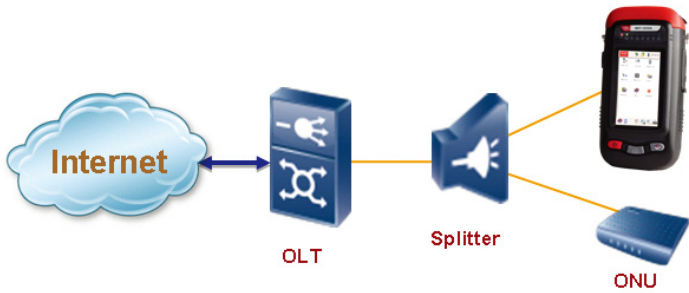


Ethernet testing

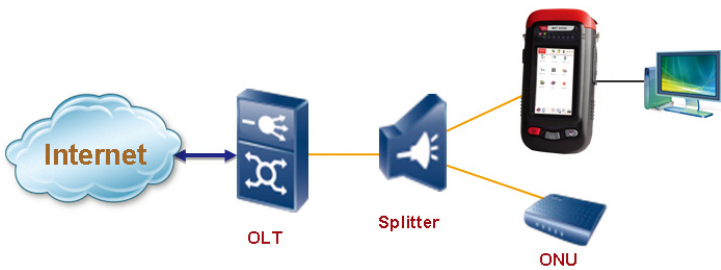


ONU+PC emulation

ONU+PC emulation for EPON optical power test, registration, network layer and application layer test



ONU replacement



WLAN STA emulation



□ Specifications

| General | |
|-----------------------|--------------------------------------|
| Size | 200x120x60mm |
| Weight | 1Kg |
| Display | 480x272 TFT true color, touch screen |
| Operation mode | Touch screen and keyboard |
| Interfaces | RJ11, RJ45, PON, ANT, USB, DC power |
| Battery | Rechargeable Li-ion battery |
| Charging time | 3 hours |
| Operation time | 4 hours |
| Operation temperature | -10°C ~ 45°C |
| Storage temperature | -20°C ~ 70°C |
| Operation humidity | 10% ~ 90% |
| Storage humidity | 5% ~ 95% |
| Data storage | 2G, More than 2000 records |



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