

TM108F, a consolidation of DSL modem, IP PING and metallic testing is specially designed to meet the urgent requirements of xDSL testing including ADSL, ADSL2, ADSL2+ and READSL. It is particularly used by a field technician for DSL installation and maintenance. TM108F can perform PPPoE dial, browse IE WebPages and emulate a user's PC+ Modem to test the connectivity from the user to ISP. After successful PPP dial, network layer tests such as IP Ping, Ipconfig, Route, and Tracert can be fulfilled. The powerful tester can even emulate the user's PC to test broadband IP line or perform PPPoE dial through user's Modem in order to verify the connectivity of IP network and the problem of user's Modem as well as eliminate malfunctions that lead to login failure to WebPages caused by the user's PC.

## Description

### Brief Introduction

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PPPoE dial through user's Modem in order to verify the connectivity of IP network and the problem of user's Modem as well as eliminate malfunctions that lead to login failure to WebPages caused by the user's PC.

### Test Items:

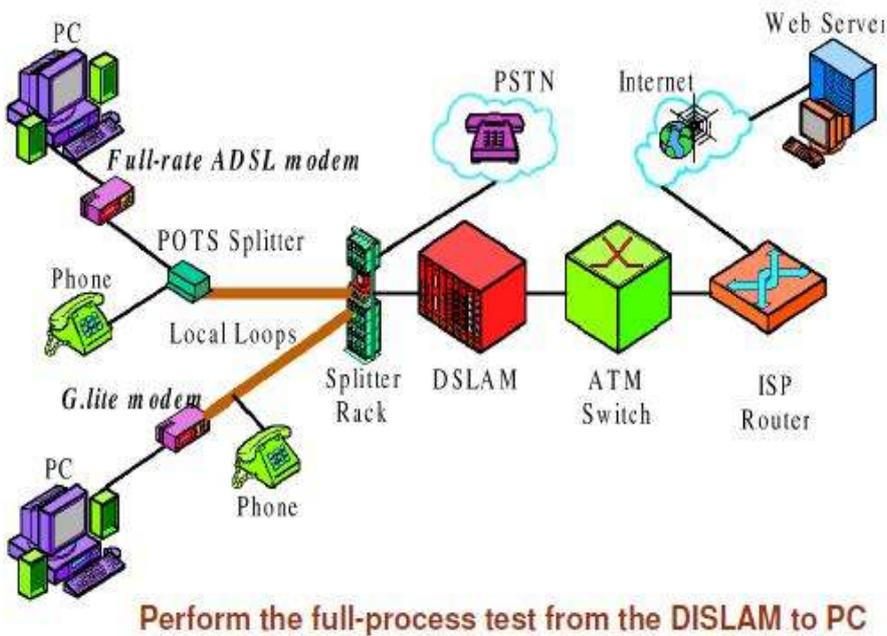
ADSL Test:ADSL Physical Layer test, PPPoE test, IP test, IE browser

LAN Test: Connectivity test, PPPoE/WEB Authentication test, IP Test, IE Browser test

Emulate PC to log onto internet, Emulate the PC, PPPoE test, IE Browser test

Emulate the Modem

IPTV test



**Functions:**

- ADSL Line parameters test, Evaluate the line quality and fault location
- LAN/ IP Layer connectivity test and fault location
- PPPoE/WEB Authentication test, locate the fault of RADIUS server or the fault of the subscriber
- Ping test: Test the network connectivity
- Emulate the PC to locate the faults of the PC
- Emulate the Modem to diagnose the faults of the Modem

**Features:**

1. Windows operation system
2. Judge the line quality and display the results on the LCD ADSL Line Attenuation, Noise margin, CRC etc, ADSL Line quality
3. ADSL physical layer test:
  - A; Test the connectivity of the Modem and DSLAM
  - B: Standard: ADSL/ADSL2+
  - C: Open channel: Speed/interlaced
  - D. Test the physical layer connectivity which includes:
    - 1) UP/Down Noise margin
    - 2) UP/Down Attenuation
    - 3) UP/Down Power output
    - 4) UP/Down Line rate
    - 5) Max UP/Down Line rate
    - 6) UP/Down channel utilization rate.
    - 7) UP/Down CRC
  - E: Statistical parameter of the testing period
    - 1) Max/Min Average value of UP/DOWN Noise margin
    - 2) Max/Min Average value of the UP/DOWN attenuation
    - 3) Max/Min Average value of the UP/DOWN output power

4) Max/Min Average value of the UP/DOWN Line rate

5) Total UP/DOWN CRC value

F. Draw the real-time curve including the follows;

1) UP/Down Noise margin

2) UP/Down Attenuation

3) UP/Down Power output

4) UP/Down Line rate

5) Max UP/Down Line rate

G: Draw the signal channel bit chart

1) Display 256 channels bit chart when use ADSL Standard

2) Display 512 channels bit chart when use ADSL2+ Standard

4. Test the Data Link Layer

PPPoE test the connection of the data link layer

PPPoE Test

PPPoE user name and password test

5. IP Layer Test

Dropped -out test

Delays test

Dropped-out rate test

6. IE WEB Browser

7..IPTV Test

TS/RTP Data stream analysis

PCR Jitter

8. Save test records: can save 200 groups test records

9. Check the history test records

10. Other Specifications

ADSL Standard : ITU G.992.1( G.dmt)/992.2(G.lite)/ 994.1(G.hs), ANSI T1.413

ADSL 2+ Standard: ITU G.994.1(G.hs)/992.5/ADSL2/ADSL2+



Address : Perpa Ticaret Merkezi, A Blok No.516 Şişli/İstanbul | Tel : +90 212 3204030 | Fax : +90212 3200255 | e-mail : info@telkolink.com

[www.telkolink.com](http://www.telkolink.com)

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Haberleşme sistemlerinde **yüksek performansı** yakalayın

