TM108E ADSL Tesster with TDR Function

Introduction

TM108E is providing solution for ADSL 2+ line and modem test. It can quickly locate where the problem point is by synchronized judging test between DSLAM and terminal user. Using TM108E as user terminal, after synchronized with DSLAM, we can know the situation of ADSL and cable by the provided upstream and downstream rate/power attenuation/signal-to-noise/Cyclic redundancy check (CRC)/channel and protocol version information. These help analyze operator's service quality. TM108E also offers physical test as line voltage, loop resistance, insulation, capacitance, frequency domain attenuation, which is good for cable selection and after-sales maintenance.

Main Function:

1) ADSL parameters test: Max upstream & downstream speed, present upstream & downstream speed, output power, line attenuation, and signal-to-noise. CRCO, HEC, FEC, ES, SES and protocol version, etc.

2) DMM test: Voltage, loop resistance, insulation, capacitance

3) Dial and ping test: internal MODEM form PPPoe connection, simulate as PC to

process ping and IP address command, also can set the package volume and times of ping to calculate package loss.

4) MODEM simulation: simulate as MODEM to check whether the fault of MODEM.

5) Dial account pre-set: 3 groups of dial test account.

6) MODEM parameter set: could set PVC channel and local IP address, ON and OFF DHCP server.

7) Record show: could save 30 groups of ADSL parameters record

8) TDR Test: precise length test of line fault.

Parameters:

1) Compatible protocol：

a. ANSI T1.143

b. ITU-T G.992.1 (G.DMT)

c. ITU-T G.992.2 (G.Lite)

d. ITU-T G.992.3 (ADSL2)

e. ITU-T G.992.4 (ADSL2 Annex L)

f. ITU-T G.992.5 (ADSL2+)；

2) Max upstream speed：0~1Mbps（ADSL）；0~1.2Mbps（ADSL2+）；

3） Max downstream speed：0~8Mbps（ADSL）；0~24Mbps（ADSL2+）；

4） Line attenuation：0～63Db；

5） Noise margin：0～32dB；

6） Output power：0～25*dBm*；

7） DMM function：

Voltage：DC：—400 ～ 400 V；AC：1-290V　Accuracy：2%

Loop resistance：0-20KΩ ohm　Accuracy：4%

Insulation：0-50M ohm　Accuracy：5%

Capacitance：0-1000 nF　Accuracy：5%