DA280
ADSL2+ Tester

DADI Telecom

Professional Communication Tester Manufacturer from China

DA280 is a handheld ADSL2+ tester, which provides full testing and analysis of ADSL/ADSL2/ADSL2+ lines accurately and fast, covering physical layer, network layer and cable physical characteristics. Giving a visual determination of the quality of ADSL lines, it is a necessary and ideal tool for installation and maintenance of the ADSL.

☐ Functions

■ ADSL physical layer testing

- 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+

- Fast and interleave signal channel BER testing

- Test upstream, downstream, maximum speed and channel utilization

- Test upstream and downstream noise margin, output power, and power attenuation

- Bit error statistics of NEC, FEC, CRC, and HEC

- Automatically detect and display LOS, LOF, LOP, 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

■ ADSL network layer testing

- Support several upper layer protocols, including RFC2684, RFC1483, RFC2516 PPPoE, RFC2364 PPPoA, DHCP and PAP/CHAP etc.

- PPPoE/PPPoA/DHCP to acquire 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

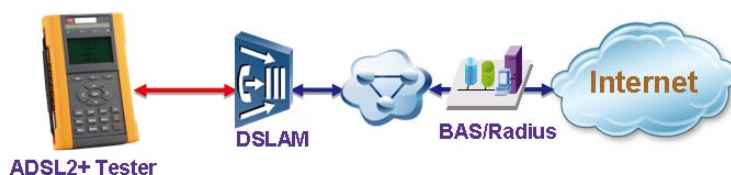- ADSL2+ modem replacement

■ Ethernet testing

- LAN Ping 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

■ Others

- Auto power-off

- Sound and LED alarm indication

- Data management

- Software online upgrade

☐ Applications

ATUR+PC emulation termination mode

Emulate ATUR+PC for ADSL physical layer testing, PPPoE dial-up and Ping testing, DHCP and Ping testing
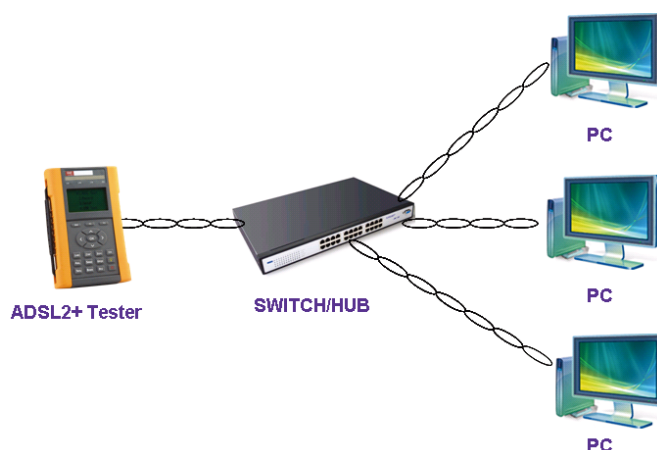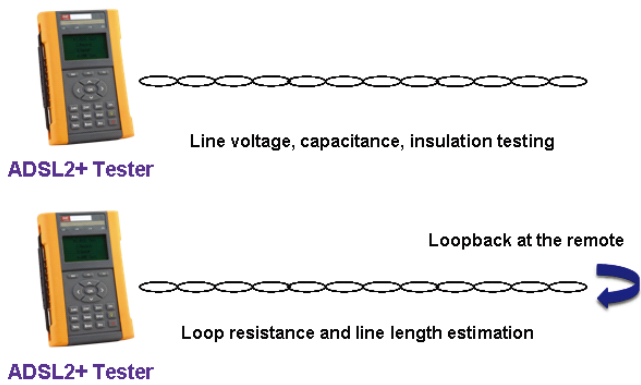

ADSL2+ modem pass through mode

☐ Features

■ Line quality pass/fail indicator: users can set their own threshold parameters of the line, by comparing the actual test results with the threshold to determine the line quality pass or fail

■ Tone generation: send signal at one end, and then identify the tested line with tone generator at the other end
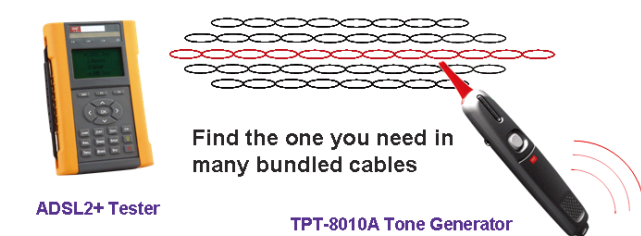
Ethernet testing

Connected into LAN as an IP termination for Ping test

Cable testing

ADSL2+ Tester

Line voltage, capacitance, insulation testing

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Loopback at the remote

Loop resistance and line length estimation

Tone generation

ADSL2+ Tester

Find the one you need in many bundled cables

TPT-8010A Tone Generator

☐ Specifications

General	
Size	185×115×45mm
Weight	700g
Display	LCD, 128x64
Operation mode	Keyboard
Interface	RJ11, RJ45, PS/2, DC power
Battery	Rechargeable Li-ion battery
Charging time	3 hours
Operation time	4.5 hours
Operation temperature	0˚C to +50˚C
Storage temperature	-20˚C to +70˚C
Operation humidity	10% to 90%
Storage humidity	5% to 95%
Data storage	60 records

Teting - ADSL2+	
Attenuation	0~63.5dB
Output power	-32.0~31.5dBm
Noise margin	-64.0~63.5dB
Downstream rate	0~24Mbps
Upstream rate	0~1.2Mbps
DMT sub-channel modulation bits	0~15
Bit error quantity	0~65535

Testing - DMM	
Loop resistance	5Ω~5KΩ±5%
Capacitance	0~500nF±10%
DC voltage	-110V~110V±5%
AC voltage	0~110V±5%
Insulation resistance	0.1MΩ~50MΩ±10%

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