SAT-701F
ADSL2+ Tester

AITELONG
Keeping your system safe and running

Key Features

◎ English menu, large color touch screen, and simple operation
◎ Portable design; built-in lithium battery last for 8-hour working
◎ Setups and test results can be saved, deleted, has power-off memories
◎ Save 1000 test results
◎ Alarm detection and indication
◎ Via U disk or LAN to exchange test data , to saving, analyzing and printing for test results
◎ On-line updating of software

SAT-701F ADSL2+ Tester is a hand-held communication instrument .It is particularly applicable for activating operation, acceptance and maintenance of ADSL equipment, and can be widely used by ADSL business operators like Telecom, Rail Company, etc, and is the best choice of ADSL engineers and technicians.

Key Functions

1.For ADSL physical layer

◎Fast channel and interleave channel testing.
◎Line parameters testing: up and down channel rate, line attenuation, noise margin, output power, and utilization rate of channel.
◎Line error and alarm performance analysis:
Detecting FEC, CRC, HEC, NCD at proximal end and remote end of interleave channel and fast channel;
Detecting OCD at proximal end of interleave channel and fast channel;
◎DMT sub-channel carrier pattern
Display modulated bit numbers on each DMT sub-channel by diagram and digital mode
◎Real time display user’ s connection state, testing progress, local equipment manufacturer information, and version information.

2.For ADSL network layer

◎ ISP PING test
Verify the connectivity of user to ISP.
◎ WAN PING test:
Directly PING the website IP or web address to local WAN to verify the connectivity of WAN link.
◎ Completely instead of ADSL MODEM to simulate ISP logon, and verify the operation performance of user's terminal equipment.
◎ Testing VPI/VCI.
◎ Webpage browsing
Surf on-line, to verify the speed rate.
◎ Testing network layer:
Including Ping, Ipconfig, Route and Tracert testing
◎ Testing webpage speed
◎ Testing FTP client-side

3.For LAN

◎ LAN PING test
Verify the PC in connection fault in LAN.
◎ Webpage browsing
Surf on-line
◎ Testing network layer:
Including Ping, Ipconfig, Route and Tracert testing
◎ Testing webpage speed
◎ Testing FTP client-side
◎ Testing PPPoE dial-up.
◎ Testing Network Neighborhood.
Test LAN, and search the PC in LAN, check the PC name, IP and MAC address.
◎ Simulated PC logon
Simulate user terminal PC logging on ISP to verify if ADSL user can surf on the Internet.

4.More functions for ADSL line:

◎ Digital multi-meter (DMM) test
Test AC/DC voltage, loop resistance, insulation resistance, capacitance, etc.
◎ Estimate the distance of telephone wire.

Technical Specifications

1.Connectors: RJ11 --- WAN interface
RJ45 --- LAN interface
USB --- interface

2.Applicable standards: ITU G.992.1(G.DMT)
ITU G.992.2(G.lite)
ITU G.994.1 G.hs
ITU G.992.3(ADSL2)
RE-ADSL
ITU G.992.4(Splitterless ADSL2)
ITU G.992.5 (ADSL2+)
ITU G.992 AnnexL
ANSI T1.413 Issue 2

3.Upper layer protocol support: PPP over Ethernet (PPPoE)
Ethernet over ATM (RFC-1483B)
RFC-1483R

4.Line performance index: Down speed: 24Mb/s, and Up speed: 1.2Mb/s,
Maximum transmission distance 6.5Km

5.Digital multi-meter:
DC voltage: -400V~+400V, accuracy: ±5%± 2V
AC voltage: 0~290V, accuracy: ±5% ±2V
Line loop resistance: 0~20K Ω, accuracy: ±3%
Insulation resistance: 0~1.0MΩ, accuracy: ±0.1MΩ; 1.0~50MΩ, accuracy: ±10% ±0.5MΩ;
Capacitance: 0~10nF,accuracy: ±2nF; 10~1000nF, accuracy: ±5%

General Specifications

◎ Power supply
1) Special power adapter
INPUT: AC220V 50Hz OUTPUT: DC 9V 1.2A
2) Built-in rechargeable battery
4000mAh 7.2V rechargeable lithium battery
Working time: 8 hours
Charging time: 6 hours in closed state, and 10 hours in open state
◎ Dimensions and weight:
L W H: 220 *162* 48mm
Weight: 900g
◎ Ambient parameters:
Working temperature: -10 -+50℃
Storage temperature: -30 -+70℃
Humidity: 5% 90% non-condensing