

EZtouch ADSL2+

Advanced Test Set for ADSL1/2/2+

The ideal tool for ILECs, CLECs, and sub-contractors who are responsible for installing, verifying, and troubleshooting ADSL1/2/2+ circuits and Copper loops.

Main Features

- Large TFT color display with touch screen and smart navigation
- Handheld durable design
- Quickly test upstream/downstream max bit rate, channel utilization, noise margin and power
- Fast pass/fail Copper tests with DMM (ACV, DCV, Loop and Insulation Resistance, Capacitance, Line length)
- Bits/Tone and SNR/Tone graph and table results
- Detect and indicate xDSL alarms and errors, ES statistics
- Complies with multi-standards—ITU-T G.992.1 (G.DMT), ITU-T G.992.2 (G.Lite), ANSI T1.413 Issue 2, ITU-T G.992.3(ADSL2), RE-ADSL2, ITU-T G.992.4 (Splitterless ADSL2) and ITU-T G.992.5(ADSL2)
- Supports multi-protocols: PPPoE (RFC 2516), PPPoA/LLC (RFC 2364), PPPoA/VC-MUX (RFC 2364), IPoA, IPoE RFC1483 RFC 1483, supporting bridged and routed modes, Static IP and DHCP, RFC 2684, supporting bridged and routed modes, Static IP and DHCP, bridged Ethernet supporting bridged and routed modes, Static IP and DHCP
- Supports Annex A, L and M
- IP PING test for xDSL and LAN indicates PING latency with min/max/avg results
- Supports MODEM emulation and simulating Internet login
- ATM layer test
- Net Scan
- Tone generator
- Field replaceable, rechargeable lithium battery module
- Beep and LEDs alarm indications (Low power, xDSL, and Ethernet)
- Large storage capacity—can store up to 200 test records
- Auto shut-off



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Applications

Physical Parameters Test: Emulate ATUR+PC to run xDSL physical layer tests, network layer test and application layer tests.



Modem Emulation Test: Completely replace the modem to isolate it as a problem.

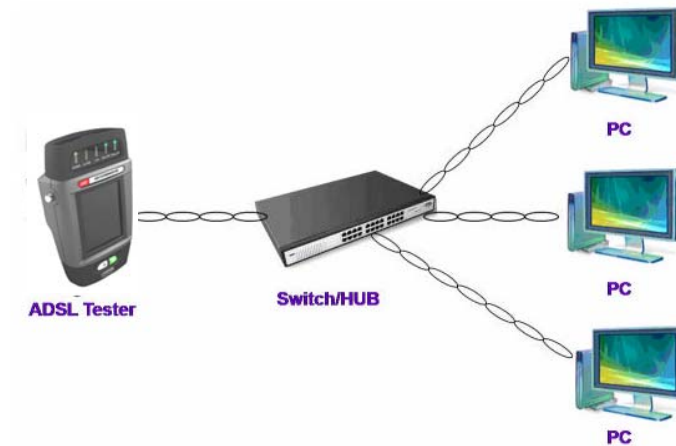


ISP Login and PING Test: Completely replace the modem and the PC and send PING packets to verify that xDSL upper layers are operational.



Applications Continued

Ethernet Test: Send PING packets to validate connectivity of LAN using the Ethernet port to connect to an Ethernet switch.



Cable Test:



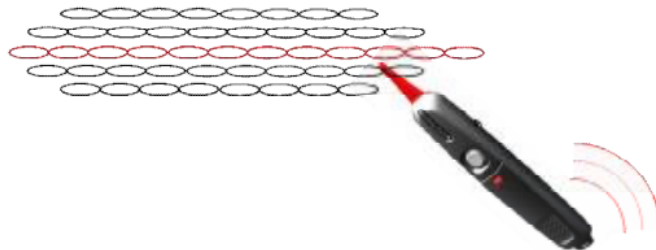
Measure line voltage, capacitance, insulation leakage and more.



Measure loop resistance and calculate line length.



Audio Line-tracking Test: Generate audio to locate a particular wire in a bundle.



Specifications

Item	Description
Connectors	RJ-11 (xDSL) , RJ-45 (Ethernet), USB, Power
Line Code	DMT
Downstream Rates Supported	ADSL2+ : 0 – 24Mbps
Upstream Rates Supported	ADSL2+ : 0–1.2Mbps
DMT Sub-Channel Modulation Bit Quality	0 – 15
Attenuation	0 – 63.5 dB
Export Power	-32 – 31.5dBm
Noise Margin	-64 – 63.5dB
Error CRC/HEC/FEC	0 – 65,535
Alarm and Status Indications	ALARM, LAN LINK, WAN LINK, CHARGE, etc.
DMM	<u>DMM Parameter Ranges</u> DC Voltage: Range: -110V to 110V Accuracy: +/- 5% AC Voltage: Range: 0V to 110V Accuracy: +/- 5% Loop Resistance: Range: 5 Ohms to 5 KOhms Accuracy: +/- 5% Insulation Resistance: Range: .1 Ohms to 50 M Ohms Accuracy: +/- 10% Capacitance: Range: 0nF to 500nF Accuracy: +/- 10%
Standards Supported	<u>Comply with: ANSI T1.413 Issue 2</u> ITU-T G.992.1(G.dmt), ITU-T G.992.2 (G.lite), ITU-T G.992.3(ADSL2), RE-ADSL2 ITU-T G.992.4(Splitterless ADSL2), ITU-T G.992.5(ADSL2+) Annex A, L and M
Encapsulation Supported	PPPoE (RFC 2516)、PPPoA/LLC (RFC 2364)、PPPoA/VC-MUX (RFC 2364) IPoA, IPoE RFC1483 RFC 1483, supporting Bridged and Routed modes, Static IP and DHCP RFC 2684, supporting Bridged and Routed modes, Static IP and DHCP Bridged Ethernet supporting Bridged and Routed modes, Static IP and DHCP
Storage	Up to 200 records
LCD	320 x240 dot matrix TFT color, touch screen display and key pad
Rechargeable Batteries	Lithium batteries, continuous operation for 4 hours, charges in 3 hours
AC Power Adapter	Input: AC 100V-240V, 50/60Hz Output: DC12V/1.0A
Record View II	Operating System: WIN98/ME/2000/XP
Operating/Storage Temperature	-10C – 45C or 14F – 113F / -20C – 70C or -4F – 158F
Operating/Storage Humidity	10% – 90% / 5% – 95%
Dimensions	L×W×H: 5.75 x 3.43 x 1.97 (in) or 146 x 87x 50 (mm)
Weight	600 grams or 1.32 lbs.

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