

XG2048 ADSL2+ Tester

XG2048 ADSL2+ tester is a handheld, large size displayed and chromatic touch screen operated test equipment. It supports ADSL/ADSL2/ADSL2+ analysis, net and DMM test. It applies WINCE platform, which integrates the test and PC in one tester. It can help the user to judge the PC's setting is correct or not, and provide the testing data analysis and evaluation report of service quality for access validation and trouble shooting of ADSL/ADSL2+ line. XG2048 is the best tool for ADSL line maintenance.



Basic Function

- Auto line standard set
 - ✓ Support ADSL2+(G.992.5), ADSL2(G.992.3), RE-ADSL(Annex L), Double Upstream(Annex M) and downwards compatible with ADSL(G.DMT, G.Lite, T1.43) line standards
- Line parameter measurement:
 - ✓ Upstream and downstream practical Bit Rate
 - ✓ Upstream and downstream Max Bit Rate
 - ✓ Upstream and downstream SNR Margin (Signal to Noise Ratio)
 - ✓ Upstream and downstream Line Attenuation
 - ✓ Upstream and downstream transmit Power
 - ✓ Upstream and downstream utilize rate
 - ✓ ADSL line modulates mode, channel, and connection status indication:
 - ✓ SNR and Character bits allocation (graphic format) under 256/512 DMT
- Sub-tone bit graph, sub-tone signal to noise ratio graph

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- ADSL statistics error counts
 - ✓ Transmit total frames
 - ✓ Severely Error Frame (SEF)
 - ✓ Loss of Signal (LOS)
 - ✓ Loss of Frame (LOF)
 - ✓ Reed-Solomon Forward Error Corrections
 - ✓ Cyclic Redundancy Check (CRC) anomalies
 - ✓ Header Error Check (HEC)
 - ✓ Out of Cell Delineation (OCD)
 - ✓ No Cell Delineation (NCD)
 - ✓ Error Second (ES), Severely Error Second (SES), Unavailable Seconds (UAS)
 - ✓ Bite Errors (BE)
 - ✓ Signal Cell (SC), Digital Signal Cell
- Line Error
 - ✓ Total Test Codes
 - ✓ Line Error Bit
 - ✓ Bit Error Rate
- DMM
 - ✓ AC, DC voltage
 - ✓ Loop feeding current
 - ✓ Round resistance
 - ✓ Line capacitance
 - ✓ Loop length estimation

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- MODEM Simulation
 - ✓ Substitutes ADSL MODEM, Supports Bridge, PPPoE, PPPoA, MER, IPoA regulation to perform ISP simulation login and verify operation performance of the terminal equipments
 - ✓ Real-time display rate and flux
- PC Simulation
 - ✓ Browse website directly on the display of the tester
- MODEM+PC Simulation
 - ✓ Embedded dial software, user can connect with internet after typing user's name and password
 - ✓ Embedded browser, can test the connection of the line intuitionistic
- PING testing
 - ✓ WAN PING testing: IP or domain ping testing, statistic Percentage of PING packet loss
 - ✓ LAN PING testing: IP PING testing, Find out the faultily connected PC and statistic Percentage of PING packet loss
- Trace testing
 - ✓ Trace IP transmit route
 - ✓ Display IP route
- Upgradeable software via an Ethernet/USB interface
- Test result upload, conserved and printed by TestManagerPro software

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Main features

- Creative design, apply the ergonomics, and portable
- Jacket protection, convenient for fieldwork with hanging rope and bracket
- Apply WINCE platform to substitute PC to browse the website
- 4.3 inch large size display with backlit and chromatic touch screen, smart navigation menu, easy to use
- Large storage volume, can save, delete and keep without power to test settings and results
- By pressing jauto testj key, the tester starts test automatically and display the results
- Upgrade embedded software via Ethernet/USB interface to protect customerj's invest
- Power supply with adapter and battery, can work for more than 3.5 hours with battery, built-in Li-ion battery, smart charge circuit for quick charge
- Voice alarm and LED alarm
- Auto turn off function to save the power

Configurations

Item	QTY	Item	QTY
ADSL2+ Tester	1	USB Communication Cable	1
DC Power Adaptor	1	Built-in Li-ion Battery	1
Touch Pen	1	TestManagerPro Software(CD)	1
ADSL Test Cable (RJ-11)	1	Water-proof Package	1
ADSL Test Cable (Clamp)	1	Quality Card	1
DMM Test Cable	2	User Manual	1
LAN Test Cable (Direct, Black)	1	Maintenance Card	1
Packing List	1		

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Specifications

Item	Description
ADSL2+ Line Connector	RJ11
LAN Line Connector	RJ45@100Ω
DMM Test Connector	Φ4 Banana Connector
Line Mode	DMT
Downstream Rate	24Mb/s
Upstream Rate	1.2Mb/s
Max Transmit Distance Support	6.5km
Alarm and Status Indication	ALARM、LAN、WAN、DMM、DSL、POWER
Line Standard Support	ITU G.992.1(G.DMT)、ITU G.992.3(ADSL2)、ITU G.992.4(Splitterless ADSL2)、ITU G.992.5 (ADSL2+)、ITU G.992 Annex A, Annex B, Annex C (FBM&DBM)、ANSI T1.413 Issue 2
Encapsulation Support	PPP over ATM(PPPoA) , PPP over Ethernet (PPPoE)、Ethernet over ATM (EoA)、IP over ATM (IPoA)、DHCP
Services Supported	ATM、UBR、VBR、CBR
Visual Connection Quantity	8 groups (VPI、VCI configuration)
DMM Parameters	AC, DC Voltage (0~400V 5%) Loop feeding current (0~100mA 5%) Capacitance (0~40μF 5%) Line insulation resistance (0~40MΩ 5%) Line distance
Communication interface	Ethernet/USB interface
Rechargeable Battery	7.4V Li-ion battery, work for more than 3.5hours
Recharge Time	Smart charger circuit, recharge time about 2 hours
DC Power Adapter	DC 8.4V/1.5A
TestManagerPro Software	WIN2000 /XP
Working Temperature	0℃~50℃
Humidity	5%~95% non-condensing
Dimensions	240mm;102mm;55mm (L;W;H)
Weight	Approx. 700g