

D2061Lite SMART ADSL TESTER

OVER POTS – OVER ISDN



Smart troubleshooting tool

No more wastes of time during maintenance and troubleshooting of ADSL lines

Wide large graphics screen

320x200 pixels back-lit display

Ideal companion for installers

Light weight, small footprint, easy to use

OVERVIEW

The D2061Lite has as its main goal the coverage of that part of the market concerning the entry level ADSL testers, able to characterize completely the connection physical layer in an easy and cheap way without any exception for further tests with the upper layers.

Its features make it a device smart to use and an ideal companion for the ADSL technicians, called for installations or troubleshooting. In fact the ATU-R emulation provides a valid aid to exclude possible problems of the user's modem while the ADSL link operation data give a detailed overview on the present status of the connection and allow an aimed and quick intervention.

The link conditions can be furthermore monitored through the line noise test and the graphical display of the DMT bits per tone allocation in order to discover possible noises or interference signals.

The D2061Lite supports ATM stack with full statistics and report.

As optional an IP test facility is available to power the basic system adding useful high level diagnostics tests for IP cloud troubleshooting.

IP Ping checks the connectivity to the Internet provider, whether a remote host is reachable or not and the relative response times while IP Trace Route provides all the information regarding the path of the packets travelling from the source to the selected destination.

FEATURES AT A GLANCE

- First aid with line noise test
- DMT bits per tone spectrum analysis
- Aimed to ADSL connection parameters inspection
- ATM report
- Optional high level IP test facility
- POTS-Analog analysis on request
- Rechargeable battery for extensive use
- In field upgradable firmware





TECHNICAL SPECIFICATIONS

TELECOM INTERFACES

- ADSL access
ATU-R
ITU-T (CCITT) Rec. ITU-T-I.361,
ITU-T- I.363.5, ITU-T- I.432,
ITU-T- I.610, ITU-T-I.731

ADSL LAYER

- D2061Lite over POTS¹
Full Rate
G.DMT
G.Lite
Multimode
ANSI T1.413 issue 2
G.992.1,AnnexA (ADSL over POTS)
G.992.2
- D2061-I Lite over ISDN²
G.DMT
Others
G.992.1,Annex B (ADSL over ISDN)
ADSL over POTS/ISDN
U-R2 (T-DSL)
Alcatel
ADSL over ISDN ETSI DTS/TM
- Handshake
G.994.1 (ex G.Hs)

^{1,2} Only one module at time is available from the factory

OPERATING MODES

- ADSL
ATU-R emulation

IP/PPP LAYER [IP2062 OPTION]

- Data encapsulation methods
IP over ATM Bridged,
IP over ATM Routed,
PPP over ATM, PPP over Ethernet
- RFC number
2684 (ex 1483), 2225, 2364, 2516
- PPP
Client, Server
- Authentication protocol PPP
PAP, CHAP (MD5)
- Available tests
IP Ping, IP Trace Route
- IP address supported
Static, Dynamic (DHCP)
- Gateway selection
IP Bridged mode
- LLC/SNAP encapsulation
User defined

SMART STATUS™

- Physical layer
G.826 / M.2100
- ADSL line
ES, SES, BBER, UAS,
DMT bit per tone (graphic and
table format), alarms and errors
- ATM Statistics
ATM cells/throughput
AAL5 packets/throughput

BACKGROUND MONITOR

- Events
ADSL parameters, alarms, errors

ADSL LINK OPERATION DATA

- ADSL line mode
- ADSL maximum bit rate Kbps (DW/UP)
- Operative ATM speed rate (DW/UP)
- Relative Capacity % (DW/UP)
- Noise Margin dB (DW/UP)
- Attenuation dB (DW/UP)
- Output Power dBm (DW/UP)
- ATU-C manufacturer & version
ANSI mode
- Line Noise Test
Graphical and table format

CONNECTORS

- ADSL line interface
2 wires RJ11
- RS232
Mini - DIN 8 pins
- Handset
4 wires RJ9, Balanced
- Power in
External AC/DC adapter 4 wires

MISCELLANEOUS

- LCD display
320x200 Graphic display, wide
bright and back-lit, Zoom function
- Internal microphone & loudspeaker
- Upgradable firmware
By RS232 port

ENVIRONMENTAL CHARACTERISTICS

- Dimension
Weight, with battery
Dimensions, with holster (mm)
≈ 500 gr.
100 (w) x 180 (l) x 50 (d)
- Power
Battery Type
Battery life
External AC/DC adapter
Rechargeable, Ni-MH
≈ 3 hrs @ 25°C, LCD back-lit off
115/230Vac ±10% @ 50/60Hz
- Temperature
Storage/Transport
Operating, nominal
-40°C to +70 °C
-5°C to +45 °C
- Humidity, non-condensing
≤ 93% RH @ 40 °C
≤ 70% RH @ 55 °C
- User's Safety Aspects
EN 61010-1, EN 60950, EN 41003
- EMC Aspects
EN 55022, EN 55024,
EN 61000-3-2 / -3-3
- CE Marking
Class B (residential devices)

OPTIONS

- IP2062
IP Suite Test
- AB2001N
POTS-Analog Terminal Simulator
and Monitor

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