

D2071

Modular multi-service interface tester



aethra®
keep connected™

Modular test set
Interchanging modules for different accesses

Safe investment
Only what you need when you need it

Time save
Easiness and immediacy in managing
different interface types



The D2071 has been designed to satisfy all the needs that can be faced during the installation, maintenance and troubleshooting of Digital Subscribers Lines, a group of technology well established or experiencing a rapid growth in the telecommunication scenario.

Modular design

The device is composed of a main unit equipped with a laptop-like connector, where an interchanging card can be hosted. So far, the cards for the following interfaces are available: SHDSL, ADSL, ADSL2, ADSL2+ and ISDN BRI.

Predefine Tests

This mode with the "History" function allow to store the most frequently used to display results of tests previously saved.

The Smart Status™

This feature is available through the pression of one single button and with different results according to the interface under test.

Additional Software for testing

The PC108 software with the D2071 represents the ideal solution for an efficient and deepened analysis of the results and for an useful and convenient remote management of the instrument.

Telecom interfaces

- ShDSL access
STU-R / STU-C ITU-T G.991.2 (G.SHDSL),
TS 101 524 v1.2.1 (2003-03)
- ADSL 1/2/2+ access
ATU-R G.992.1 Annex A and B (G.DMT)
ANSI T1.413/2, G.992.2 (G.Lite)
U-R2, ETSI DTS/TM, G.992.3,
G.992.5 (Annex A, B, L, M)
- ISDN Basic Rate access
S/T ITU-T (CCITT) Rec.I.430,
ETS 300 012

Operating modes (optional modules)

- ShDSL STU-R 2/4 wires, STU-C,
Through mode (option)
- ADSL, ADSL2/2+ ATU-R, ATU-R + Host,
Through mode (option)
- ISDN BRI S/T TE-S, MON-S, NT-S, S/T Bus
wiring test (option)
- Analog/POTS TE/FXO, MON
- ETHERNET (on board) Host, Through mode (Bridge)

Environmental characteristics

- Dimension
Weight, with battery
and one module ≈ 500 gr.
Dimensions,
with holster (mm) 100 (w) x 180 (l) x 50 (d)
Dimensions,
with module (mm) 140 (w) x 180 (l) x 50 (d)
- Power
Battery Type Rechargeable, two versions
available: Ni-MH and Li-Ion
External AC/DC adapter 115/230Vac ±10% @ 50/60Hz
- Temperature
Storage/Transport -40oC to +70 oC
Operating, nominal -5oC to +45 oC
- 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)

ISDN BRI S/T (ISDN71 module)

- Protocols EDSS-1, Q.SIG, 1TR6, TN1R6®,
VN4, X.25, CorNet®-N, -T
DMS100, NI1, 5ESS
- On request Make a call, BER, X.25 access,
loopbox, automatic test of
the access
- Type of Test D-channel capture & decoding
in high impedance and during
the execution of a test
- Signalling protocol
monitor

ATM (IP2071 option)

- ATM OAM cell Management F4 & F5, end-to-end, segment
- ATM Adaptation Layer AAL-5
- Type of Test Ping, packets test, Traffic Generator
- Statistics Cells counter, throughput, errors,
alarms, peak

IP (IP2071 option)

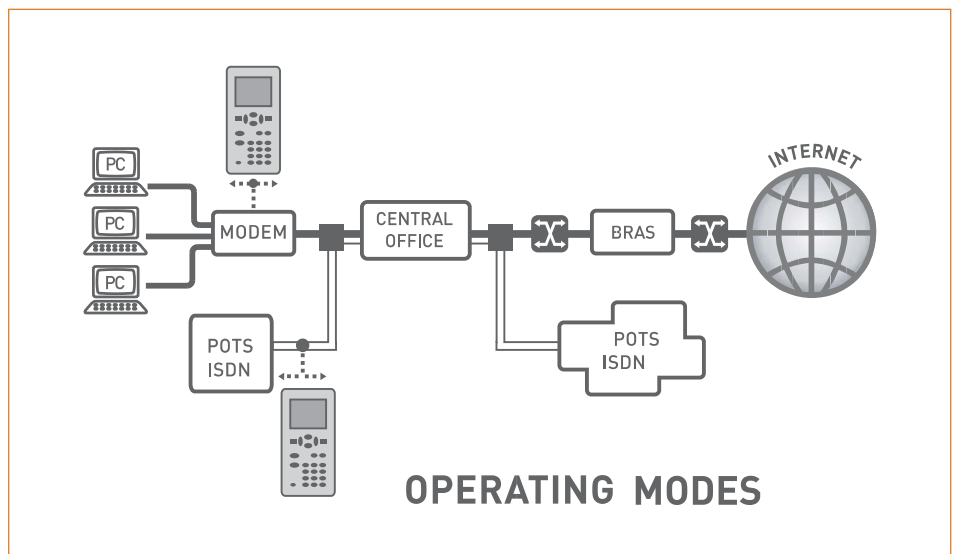
- IP address supported Static, Dynamic (DHCP)
- Authentication protocol PPP PAP, CHAP (MD5)
- Type of Test IP Ping (ICMP), IP Trace Routing,
IP Generate Traffic, Internet
download (HTTP and FTP)1
- Statistics Packet counters, throughput,
Ethernet, errors, peak

Connectors

- Interface line it depends on the used module
- Module communication
interface 68 wires Aethra Legacy
- ETHERNET (on board) 4 wires RJ45
standard 10/100BASE-T port
RS232 (on board) 8 wires mini-DIN
- Power in (on board) 4 wires external AC/DC adapter

Options

- ShDSL71 ShDSL module
- ADSL71 / ADSL71-I ADSL Annex A / Annex B modules
- ADSL71-2plus ADSL 1/2/2+ ATU-R module
- ADSL71-CO-2plus ADSL 1/2/2+ ATU-C module
- ISDN71 ISDN BRI S/T module
- WT2071 (for ISDN71) S/T Bus wiring test
- D1029 (for ISDN71) Phantom power supplier on S bus
- AB2001N Analog/POTS Terminal
Simulator (FXO) and Monitor
- ETH2071 Ethernet port connectivity
- IP2071 ATM and IP Suite Tests, Statistics
- INET71 Internet HTTP and FTP protocols
- PC108 Software PC108 for Windows™



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