



IAT-1710A

Integrated Access Tester

DADI Telecom

Professional Communication Tester Manufacturer from China



IAT-1710A Integrated Access Tester is a comprehensive testing tool for E1, V interfaces, and Gigabit Ethernet link maintenance and troubleshooting. It could achieve BER testing from 50b/s to 2048kb/s, support various V interfaces, 10/100/1000M Ethernet cable testing, traffic testing, RFC2544 testing and diagnosis tool (PING, traceroute, port location tool, loopback tool etc), and it also could support PPPoE function, FTP download and WEB browsing. On the other hand, the tester could also provide integrated testing of E1, V interfaces and Ethernet, and IP PING testing by E1 or V interfaces to meet the demand of one tester with multi-functions.

□ Functions

- G.703 E1 testing
 - Abnormal defects and performance analysis
 - Various alarms and error insertion
 - E1 in-service monitoring
- V series interface testing
 - V.24/RS232 and V.35 interface error testing
 - Various working mode settings
 - ITU standard BER analysis
- Ethernet testing
 - Traffic generation: Gigabit wiring speed traffic production capability, support VLAN label, IP QOS, PRBS code type setting
 - Traffic statistics: make statistics for Tx/Rx frames, utilization rate, error frame, different length frame, VLAN frame, suspension frame, broadcast frame etc.
 - RFC2544 testing: test throughput, latency, package loss rate and back to back buffer frames, check fully network performance indexes
 - LAN testing: network equipment scanning, server performance testing, conflict detection,etc.
- Others
 - Support two layers protocol encapsulation (PPP/HDLC/FR protocol) on E1 (G.703) line, and support IP Ping testing



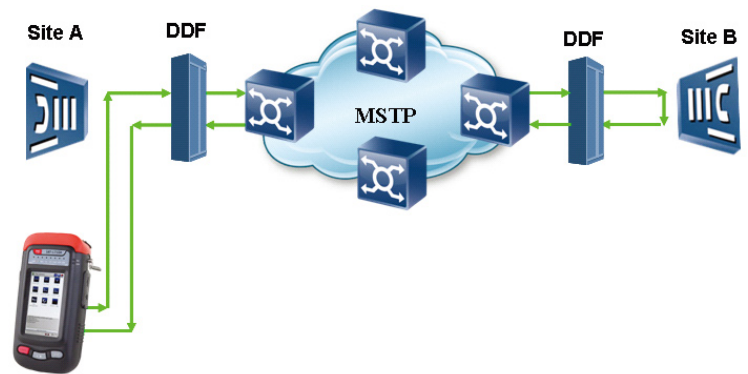
- Ping testing supports one to many models, and ping multiple addresses at the same time
- Connectivity testing: support PING, traceroute function
- Wiring testing: support cable length, wiremap, crosstalk testing and provide wiring diagnosis tools like port location, cable tracing, etc.
- Physical port testing: support high and low level testing of electrical interface, and check if the network equipment can provide POE power supply
- PPPoE function: support PPPoE dial-up, make traffic testing based on PPPoE
- Data loopback: support data loopback functions of physical layer, MAC layer, network layer
- Terminal emulation: support wire speed FTP download and WEB browsing function
- Data management: easy to copy, check, delete and export testing data

□ Features

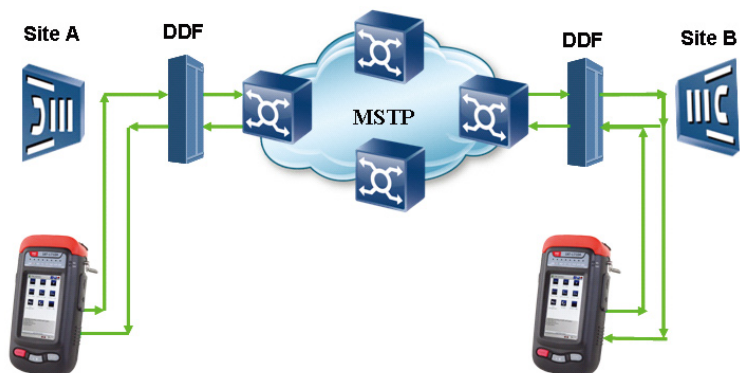
- One tester with multiple functions, provide integrated testings of E1, V interface and Ethernet, IP PING testing by E1 or V interface
- Good compatibility: support end-to-end testing with E1 tester and Ethernet tester from DADI Telecom
- Small and portable: smaller and lighter compared with the similar product
- Optimized structure design: dustproof and anti-shock design for testing interface
- Advanced cooling system: ensure long and stable operation

□ Applications

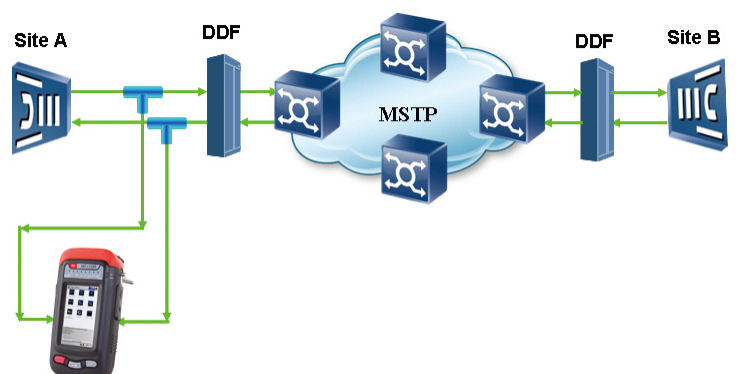
E1 remote loopback testing



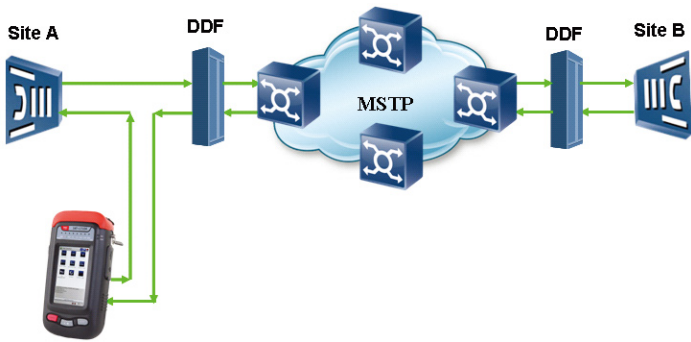
E1 end-to-end testing



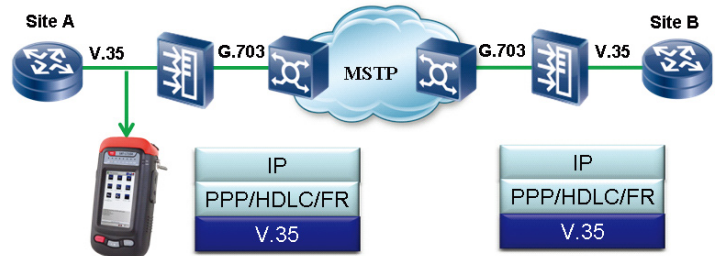
E1 in-service monitoring



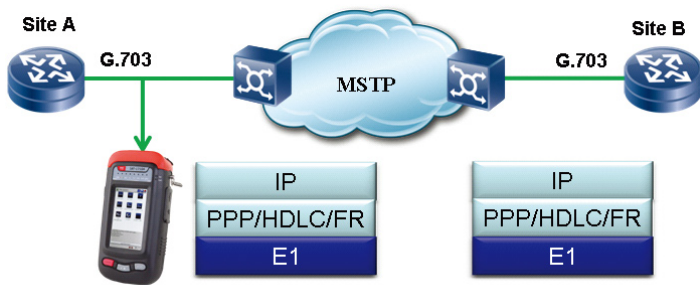
E1 pass through mode



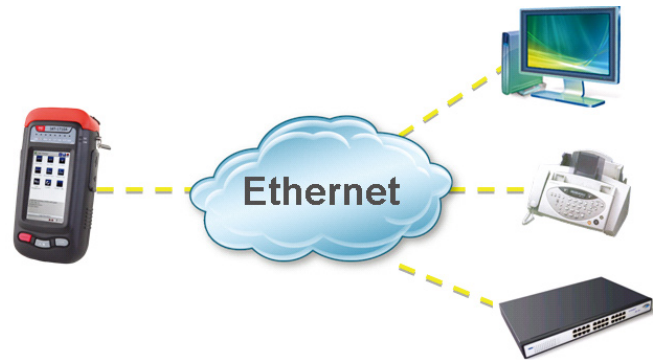
V interface PING testing



E1 PING testing



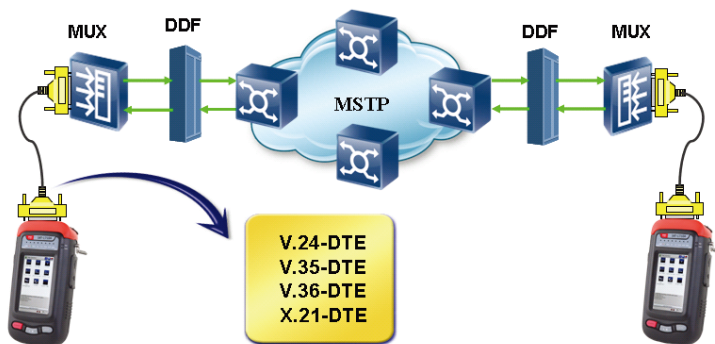
ETH terminate mode



ETH end-to-end testing



V series interface testing



ETH remote loopback testing



□ Specifications

General	
Size	210×110×60 mm
Weight	1Kg
Display	Color 4.3" LCD, 480×272
Operation mode	Touch screen
Interfaces	USB, RJ45, DC power
Data storage	SD card (2G)
Battery	Rechargeable Li-ion Battery
Operation time	7 Hours
Operation temperature	-10°C ~ 50°C
Relative humidity	10% ~ 90%

Testing	
E1 Internal clock	2048KHz±10ppm
E1 Signal code	HDB3 / AMI
E1 Signal interface	ITU-T G.703
E1 Tx	L9 75Ω unbalanced, RJ48 120Ω balanced
E1 Rx	L9 75Ω unbalanced / high impedance>2KΩ, RJ48 120Ω balanced / high impedance>2KΩ
V series interface	DB25
Ethernet interface	10/100/1000BASE-T RJ45



For more information: www.lzdd.com or lzdd@lzdd.com

DADI Telecom

DADI Beijing Business Centre

Add: Room 1601, Building 7, HuaQingJiaYuan, WuDaoKou, Haidian District,
Beijing, P.R.China. Post Code: 100083

Tel: +86-10-82511183

Fax: +86-10-82867177-214