

AuroraForte



TrendCommunications

United Kingdom 01628 536700 North and South America 256 461 0790

International +44 (0)1628 53 670 0 France 01 69 35 54 70 Germany 089 3 2 30 09 3 0 India 022 8 521 059 USA 256 4 610 790 Email Infoline@trendcomms.com Web www.trendcomms.com

Testing for Next Generation Networks





AuroraForte

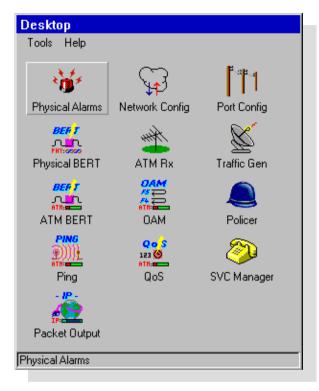
Serious ATM Testing Made Simple

- Portable tester with modular interface
 - ◆ E1+E3; E1+IMA; DS1+DS3; ATM-25; OC-3/STM-1; OC-12/STM-4
- Test procedures
 - Physical, ATM, IP
 - Proof of service reliability
- Easy to use:
 - Ideal for installation & Commissioning
 - Where speed and reliability is critical
- Advanced:
 - Detailed analysis for maintenance and fault finding
- Mature:
 - 4+ years market acceptance for ATM and DSL networks, 100s of units shipped
- Modern:
 - New developments to target 3G/UMTS market



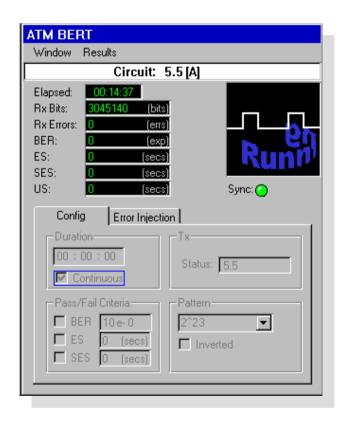


- Handheld, Battery-powered, Large graphical screen
 - Rugged design for use in field operations
- Windows type operating system
 - Icon and function keys No text menus
 - Amazingly quick to learn
 - Accurate and reliable measurements
- Plug-in swappable interface modules
 - Serial port for printing
 - Ethernet port for file syncing and Remote Control





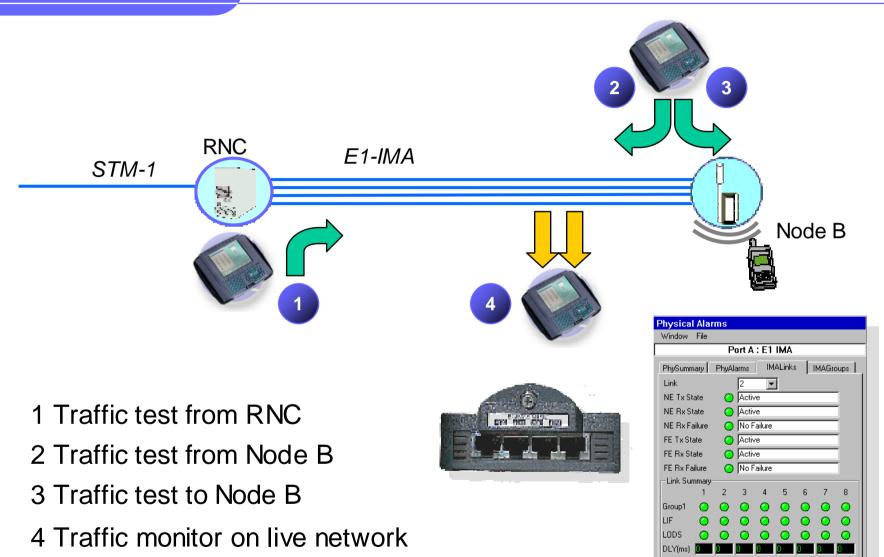
- Physical layer to Protocol layer testing and analysis
 - Traditional Telecom and Bit Error Testing
 - ATM layer traffic loading and analysis
 - ATM BERT
 - ATM QoS / O.191 test procedure
 - IP Ping over ATM
 - ♦ OAM / I.610 ATM fault analysis
 - Traffic policing congestion test / I.371
 - SVC signalling protocol emulation
 - ◆ IP Protocol real time analysis and decodes





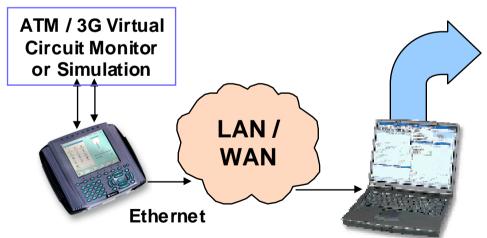
AuroraForte

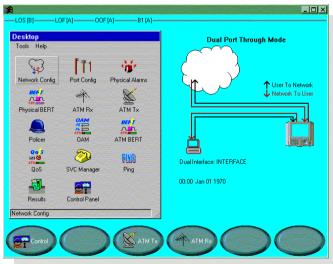
3G Base Station Commissioning with IMA





- File Manager
 - Store result and config files with on-board File System
 - Seamlessly transfer test results from Tester to PC
 - ◆ Text or spreadsheet format aids report writing, etc.
- Remote Control
 - ◆ ATM monitoring or simulation at a distance
 - Ethernet connection using IP
 - Operates over low bandwidth links
 - ♦ Same remote and local user interface







- 1. E1 installation testing proves physical layer is OK
 - E1 physical alarm logging
 - Network Clock Synchronisation monitoring
 - E1 traditional Bit Error Rate Test
- 2. VCC route testing proves ATM network is OK
 - Multiple VCC transmission to simulate network traffic loads
 - OAM loopback protocol simulation and decode for route verification
 - ATM QoS procedure to verify network reliability and delay times
- 3. ATM network scanning discover network activity
 - Bi-directional monitoring of network links
 - Identification of all active VCCs
 - Live data rate statistics for up to 1024 VCCs





- 4. IP route testing proves VCC is routed to correct device
 - ♦ IP Ping transmit or respond to verify IP over ATM configuration
- 5. Monitoring the AAL2 and AAL5 layer
 - Traffic type identification
 - Protocol decoding
- 6. Remote testing detailed knowledge at a distance
 - Skilled operation from the central office
 - Detailed monitoring of remote sites





- Handheld, portable, battery powered
- Multi-interface: 2 interface ports, user changeable

E1 + E3 OC-3/STM-1 DS1 + DS3 OC-12/STM-4 ATM-25

- Large colour LCD, plus LED indication, Graphical user interface
- Physical layer testing
- ATM layer testing up to 1024 cell streams
- IP Ping over ATM
- Ethernet port for Results and Config management from PC, Remote Control and software upgrades





