

# AuroraExpert



## Protocol Analysis

```
Event 9 17:22:00.887
Address = 255
Control = 3
PPP Protocol (hex) = C021
Link Control Protocol
CONFIGURE ACK
Identifier = 150
Length = 15
Authentication-Protocol
Option length = 5
Authentication-Protocol Challenge M
Magic-Number
Option length = 6
Magic-Number (hex) = 40806BF5
FF03C021
0296000F 0305C223 0505064D 806BF5
```

```
Event 11 17:22:00.933
Address = 255
Control = 3
PPP Protocol (hex) = C223
Challenge Handshake Authentication Prot
RESPONSE
Identifier = 191
Length = 25
```

# ISDN, IP, PPP, Frame Relay...

Protocol Analysis for the Aurora Family of Testers

**Trend**Communications

One of the key items needed by technicians operating in the communications test

environment is the capability to diagnose and analyse communications traffic.

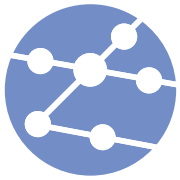
**AuroraExpert** is a low-cost, software only, highly effective protocol analysis and decode package which can provide exactly this capability to complement the aurora hand held testers.

The **AuroraExpert** package is an intuitive Windows based

method of analysing network traffic. Allied with a Trend tester and a PC notebook computer, **AuroraExpert** produces the features and facilities often only found in large, expensive test and diagnostic equipment.

Designed for use with the Trend **AuroraTempo**, **AuroraDuet**, **AuroraSonata** and **AuroraPlus** testers. **AuroraExpert** can be applied in almost any situation where a more detailed protocol decode is required.

- Short term and long term monitoring
- Wide support for WAN protocols from ISDN through to V5 and IP
- Powerful trace filtering for quick detective work
- Statistical analysis of calls and messaging
- Online tutorials and training material



# AuroraExpert

Smart analysis for ISDN and Frame Relay

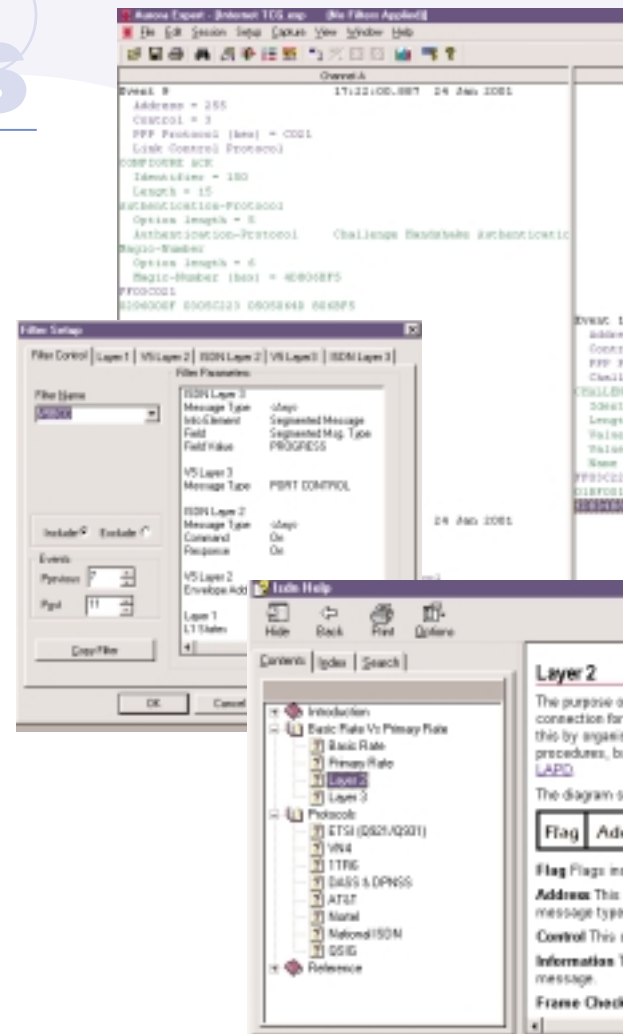
## Applications

### Real-time display of protocol data

- Freeze mode for protocol review on the fly
- Colour coded display for each protocol layer
- Real-time and post-capture analysis
- Powerful search facilities
- Protocol training and online assistance
- Application Help for operational guidance
- Flexible trace export and printing
- Familiar Windows interface with access to standard functions

**AuroraExpert** provides the solution to many applications from field maintenance and troubleshooting to a low-cost, quick and effective lab-based analyser.

**AuroraExpert** is a highly effective protocol analyser allowing the technician to provide fast problem resolution and an improved quality of service.



# Protocols

options

<b>National</b>	DASS2, VN, 1TR6, TPH1856, THP1962, Nortel Nortel (USA), NI2, AT&T (4ESS/5ESS)
<b>International</b>	DSS1 (ETSI/Q.931)
<b>Private</b>	Q.SIG, DPNSS, CorNet N/T, CorNet TS, TN1R6 N/T
<b>Access Network</b>	V5.1 & V5.2, X.25 (X.31), X.25 (LAPB)
<b>Internet</b>	PPP: LCP, CCP, PAP, CHAP, BAP, BACP, IPCP, OSINLCP, ATCP (plus decoding of RFC1700 PPP headers)
	IP (Internet Protocol)
<b>Frame Relay</b>	ITU-T Q.933 Annex A, ANSI T1.617 Annex D, "Gang of Four" LMI (Original LMI, FRF LMI).

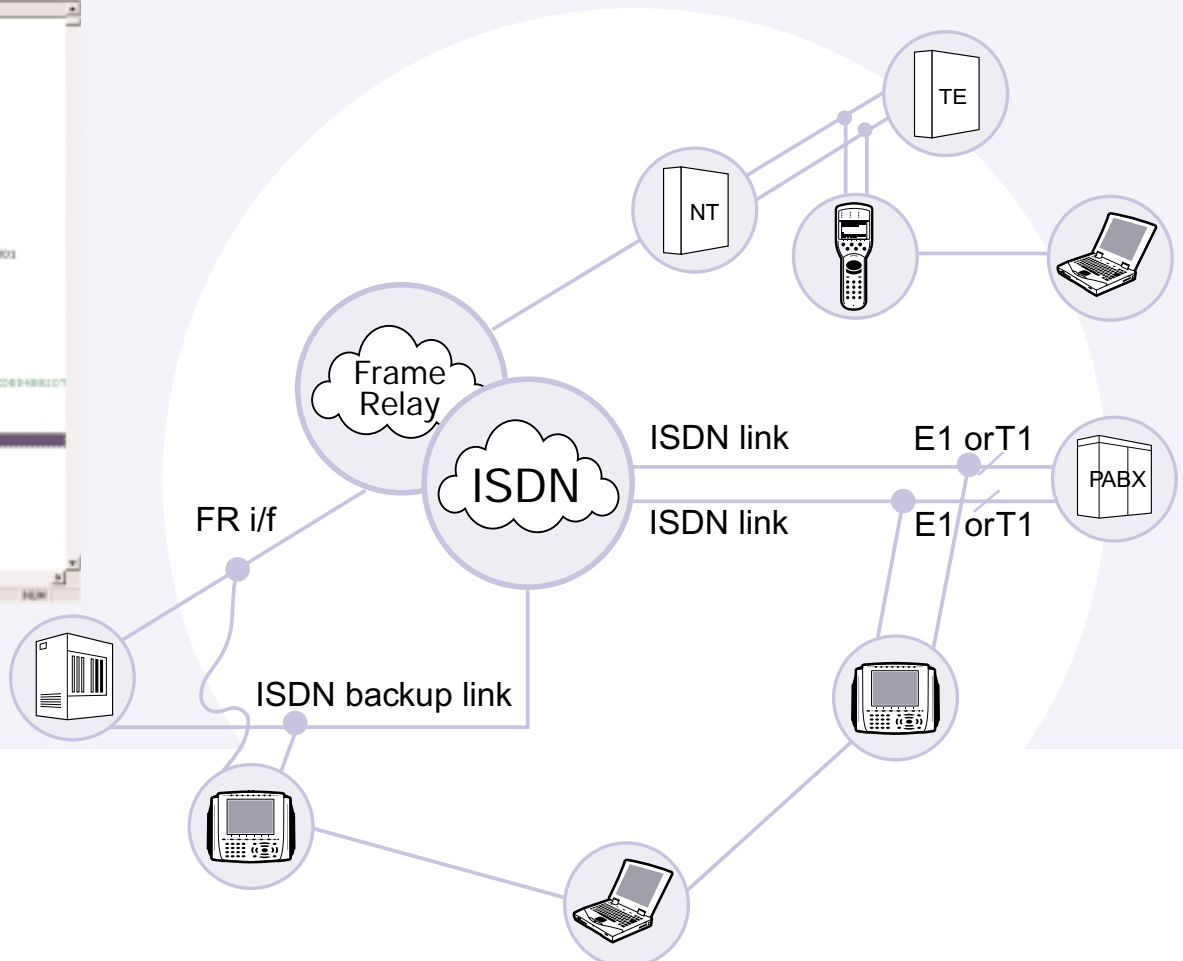
## Typical PC system requirements

Microsoft Windows' 98/NT

Pentium processor with 32MB of RAM, 20MB available on HDD

Fully working 30 day trial versions of **AuroraExpert** are available from the Trend Communications Ltd website.

Trend Communications reserves the right to change specifications without notice.





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A Member of the Telematrix plc Group



Distributor

To arrange a demonstration or to obtain the latest information on the Trend **Aurora**Expert or any of Trend's other test equipment, contact your nearest Trend Distributor.

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