



Acterna 8632

Telecom Protocol Analyzer

The Acterna 8632 is the new, slim 2-slot addition to its highly successful 8630 family of portable telecom protocol analyzers.

The 8632 is the solution for effective remote protocol analysis in all types of wireless and wireline networks providing vendor-independent verification of the signaling information. All new key technologies like UMTS, GPRS and EDGE are fully supported. The 8632 enables analysis from the lowest to the highest protocol layers on all major interfaces in GSM/GPRS/UMTS and CDMA networks as well as from ISDN narrowband through ATM, IP and SS7.

The unit can be effectively operated remotely from any location through your IP network. The captured data can be analyzed in your office environment using either the 8632 client software or direct access to the probe. In a distributed environment multiple users can even access the same capture data in real-time thus optimizing the test equipment usage. The 8632 can be installed either as stand-alone monitoring tool or as part of a remote protocol test system.

The 8632 offers powerful applications for detailed protocol analysis, Key Performance Indicators (KPI) and statistical

evaluation in real-time and postprocessing mode. Typical areas to utilize the 8632 are network rollout, optimization and performance as well as troubleshooting, QoS monitoring and verification of new services. For converged network environments, where simultaneous GSM, GPRS, UMTS or SS7 testing is required, a single 8632 can be used to accommodate all these needs. With the units user-friendly and efficient tools and capabilities it allows to turn an overwhelming amount of gathered data quickly into useful network information.

The 8632 provides all the tools needed for the network operator to offer their subscribers continuously highest service quality.

Please refer for detailed information on the various 8632 applications to the 8630 data sheet.

Highlights

- Powerful modules:
 - modular platform with synchronized time-stamps across all interfaces.
 - monitoring of 32 signaling time slots or 2 Mbps frame relay per E1/T1 module up to 4 x E1/T1 with 64 channels per unit.
 - single-slot FastEthernet module for monitoring of up to 2 bi-directional Ethernet links, up to 4 Ethernet links per unit
 - monitoring of ATM over E1
- Wide range of decodes:
 - Complete signaling for GSM, GPRS, UMTS, access and SS7 networks
 - Comprehensive set of protocols over TCP/IP including VoIP
- Operation simplified by autoconfiguration, selectable depth of protocol decode, display and predefinition of filters and counters
- User friendly: Windows XP®, intuitive operation, compact size
- Network optimization software for GSM and GPRS networks generates diagnostics and identifies reasons for problems

Key points to achieve using the 8632

- Reduced network quality degradation
- Fewer outages
- Longer customer hold times
- Single test system environment, controlled by a central console, ensuring ease of use
- Decreased support costs through centralized management
- Portable high-end solutions for in depth troubleshooting
- Ability to offer premium SLAs based on measurable parameters
- 24x7 monitoring of errors and performance
- Protocol message decoding as known from the 8630
- Configurable KPI tools, message and error counters
- Ability to store the captured file to a central server
- Provides data for CDR verification

Specifications Acterna 8632

PC system

CPU	Pentium III, 700 MHz*
RAM	256 MB
User slots (6U CPCI boards)	2

Diskdrives

2.5" hard disk	60 GB min*
CD-ROM	24x, Write 24x, Rewrite 24x

*) follows latest computer technology standards

Interfaces

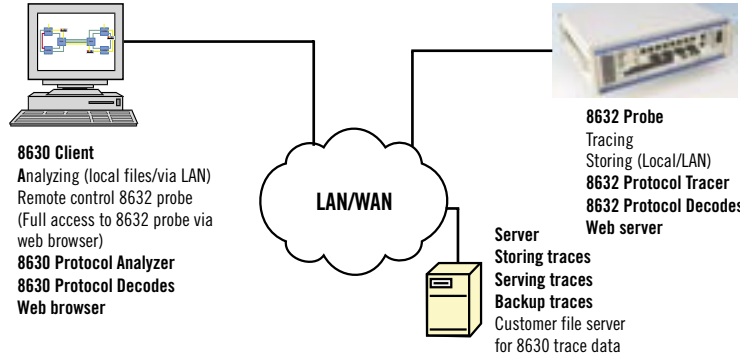
Serial (COM1)	RS-232 (9-way subminiature D plug)
External keyboard	PS/2 (6-way miniature DIN)
External mouse (serial)	PS/2 (6-way miniature DIN)
External monitor	VGA socket (15-way 3-row) DFP/DVI (optional)
Ethernet 10/100 Base-Tx	RJ 45
2x USB	type 1.1
Operating System	Windows XP

Ordering Information

8632 Telecom Protocol Analyzer **BT 226204**

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Acterna is the world's largest provider of communications test solutions for telecommunications and cable network operators. A trusted communications test partner for more than eight decades, Acterna offers an unmatched portfolio of award-winning instruments, systems, software and services that help its customers reduce network costs while improving performance and reliability. Headquartered in Germantown, Maryland, USA—with European and Asia-Pacific operations based in Eningen, Germany and Hong Kong—Acterna serves nearly every major communications service provider and equipment manufacturer around the world through a skilled sales and support organization in 31 countries.



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