TRBOnet
Digital Technologies

TRBOnet™
Watch

TRBOnet™ Watch 2.3 is now available

TRBOnet™ Watch is an advanced software packet sniffer designed for logging and analyzing data streams in your MOTOTRBO™ radio networks.

This solution also gives you an integrated view into the health of your network. The application monitors infrastructure resource usage and allows a user to detect topology problems and verify that all components of the system are configured correctly. TRBOnet™ Watch is a client-server application that does not require additional hardware and can be added to a MOTOTRBO™ radio system of any size and architecture. The server part of the application is installed on any networked computer, while client software can run on any remote computer and receives all the information about the system from anywhere over an IP connection.

The software provides views of system performance from every perspective. Built-in tools and monitors greatly reduce time required for data analysis and eliminate the necessity for on-site visits. This cutting-edge technology enables a simple setup procedure and does not require NAI Data licenses.
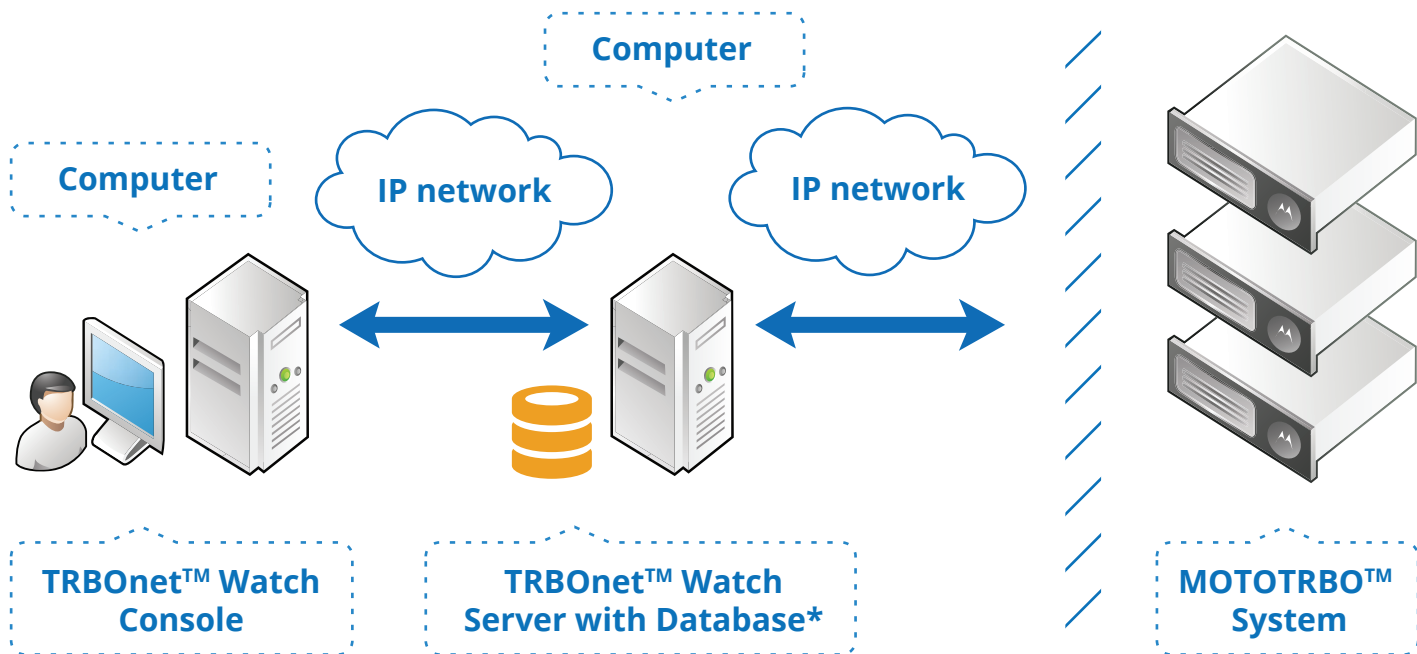
Real-time monitor shows activity on each slot of your system. TRBOnet™ Watch is capable of determining what kind of data is transmitted on available channels. You can easily verify that radios send registration statuses and GPS data to the system. This software can recognize voice calls, telemetry and option board data, as well as text messages and system packets. The log contains detailed information about each entry including sender and recipient IDs, slots, talkgroups and signal strength for voice calls.

Topology monitor gives you an insight into MOTOTRBO™ networks connected to TRBOnet™ Watch. It helps you pinpoint configuration problems and check if there have been any alarms from the repeaters. This is especially useful for large multi-site systems. It also allows you to check if new repeaters have been successfully added to your network. The Topology screen allows you to verify that all components of the system, including dispatch software, have unique LE IDs and there are no conflicting IDs. The Diagnostic tab provides the full information about IP connections in the system and the uptime for each repeater. This tab offers enhanced features such as remote channel change or disabling repeaters.

The **Reports** and **Analytics** tabs are designed to visualize megabytes and gigabytes of information obtained from the radio network. Advanced filters help you get a clear understanding of system performance by system, slot, frequency, unit ID or talkgroup. This information can be used to bill customers using your radio infrastructure. The **System Usage** report is of interest to those who want to ensure their systems have sufficient capacity for efficient communications. The **All Channels Busy** (ACB) report shows how often the radio channels have not been available for radio users within a user defined time interval.

TRBOnet™ Architecture. Client-Server Software

Computer

Computer

IP network

IP network

TRBOnet™ Watch Console

TRBOnet™ Watch Server with Database*

MOTOTRBO™ System

*Microsoft SQL Server Express (free edition)

Features (As of May 2015)

- ✓ Support for all MOTOTRBO platforms
- ✓ Multiple systems monitoring
- ✓ Topology problem detection
- ✓ Real-time capture
- ✓ Network usage by system, site, slot, channel, talk group, radio user
- ✓ Hardware alarms
- ✓ Signal strength
- ✓ Voice recording
- ✓ RSSI level map
- ✓ SNMP integration
- ✓ No NAI Data licenses required

What's New in Version 2.3

- + Support for New Generation Repeaters
- + New filters for deeper analysis
- + Added ability to monitor software peers
- + Added new export options
- + Duration of voice and data sessions shown in reports includes preamble and hang time
- + New reports

System Requirements

Platform
Intel Core i5 CPU or better/RAM 2GB or more

HDD
300 Mb for the full installation

Operating System
Windows 7 / 8, Windows Server 2008 / 2012

Database
MS SQL Server 2008 or newer

Display Resolution
1280x1024 minimal, 1600x900 recommended

Sales and Support

To download a trial version please visit www.trbonet.com. For any information, please contact us at info@trbonet.com.