

R-917 Nodeview client

General Description

The R-917 NodeView client is a performance management tool to monitor and control the health and status of a TetraNode network.

It provide an intuitive, clear and real-time view of the system. Different levels of detail can be exposed or hidden to show general status of links, sites and switches down to the occupancy status of individual time-slots (channels) on a specific carrier. The top level configuration of a system can be shown overlaid on a suitable map. To show where the Base-stations are located.

Normally this application is used by System Managers or Dispatch Operators, usually in conjunction with the R-910 Network Management System (NMS)

Additional Details

NodeView is an application designed to run on the Microsoft Windows, Vista or Windows 7 or 8 operating system in 32 and 64 bits.

The User Interface is available in any Windows-supported font (including Cyrillic, Chinese and Arabic) and many languages are directly supported with existing translations. Localization is done by means of a language database integrated with the application and new translations can easily be added. Custom sound files and graphics can also be incorporated.

NodeView can be used with any size of TetraNode network. In larger systems, where an R-817 TetraNode Dispatch Server (TDS) is present, the connection to the TNX is made via this server. The TDS enables operation of Virtual Private Networks (VPNs), in which operators can only see the details of shared resources and subscribers which are part of the VPN.

The Nodeview client is designed to monitor system components operating with all air interface standards supported by TetraNode. This includes telephony and IP connected devices.

NodeView can be configured to provide different capabilities and views of the system dependent upon the login of the specific operator – e.g. depending on the operational responsibilities of the person. The number of active NodeView clients in a TetraNode network is not limited.



Key Features

- Multi-language user interface
- Runs on Windows XP, Vista or Windows 7 operating system
- Map-based top level overview
- Display functional state per device/site/node
- Display of active group or subscriber for each channel
- Queuing status and statistics
- Display of Control Channel load
- Display of current device alarms
- Entirely customizable Graphical User Interface (GUI)
- Support of VPNs (requires TDS)

Technical specifications

Standard minimum workstation specification

Pre-installed and configured on a branded PC with the following minimum system requirements:

- Windows Vista, Windows 7 or 8 operating system
- Pentium Core 2 Duo – 1.8 GHz or better
- 2 GB of RAM
- 80 GB of harddisk
- 10/100 Mbps Ethernet LAN
- Two USB 2.0 ports
- DVD/CD-RW drive
- Audio capabilities
- 20" flat panel LCD, 1600 x 1200 pixels

Communication protocols

- Ethernet LAN for physical connection
- UDP/IP for lower-layer connectivity
- XML-over-IP for event transfer

Supported TetraNode elements

- Single node in a TetraNode network, consisting of a main TetraNode Exchange (TNX) and optionally a standby TNX for redundancy
- TETRA Base Station (TBS): R-8050, R-8060 and R-8070
- Base Station Interface (TEP-BSI)
- Telephony interfaces (TEP-ATI, TEP-ITI, TEP-EMI, ETI, SIP)
- TetraNode IP Gateway (TIG, TIGv2)

Optional TetraNode elements

- Viewing of multiple nodes in a TetraNode network, each consisting of main and standby TNX

Ordering specifications

Deliverable system

- L-917 Application and dongle
- R-917 (L-917 + S1460 pre- installed)
 - S-1460 Rohill standard workstation
 - L-917 Application and dongle

Accessories

- Touch screen monitor.

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P.O. Box 373
NL-7900 AJ Hoogeveen
The Netherlands

Telephone +31 528 263355
Fax +31 528 271844
www.rohill.com



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TetraNode Mission Critical Communications