RadioLinx OPC Server

PSW-RLX-OPC

The RadioLinx OPC Server manages the requests for information about the radios and queries the radios appropriately to provide the needed information to the clients. For example, several HMIs may request signal strength of a single radio. These requests will be sent to the RadioLinx OPC Server. The RadioLinx OPC Server will query that radio once and reply back to all of the HMIs with the information they requested. The rate at which the RadioLinx OPC Server will query the radios on the network will be determined by the rates that the individual HMIs request updates.

How to Contact Us: Sales and Support

All ProSoft Technology® products are backed with unlimited technical support. Contact our worldwide Technical Support team directly by phone or email:

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RadioLinx OPC Server

PSW-RLX-OPC

The RadioLinx OPC Server seamlessly links customer applications to RadioLinx radios. Any application that can act as an OPC Client, such as an HMI, can interact with any type of RadioLinx radio. It allows the applications to get signal strength, serial number and throughput information, as well as other useful statistics.

With Windows XP, the RadioLinx OPC Server runs as a service. If using Windows NT, the OPC Server runs in the background. It independently manages all requests from OPC Clients for information on RadioLinx radios. The OPC Clients are typically HMI programs, but can also be easily monitored by Microsoft Excel. The clients can be programs running either on the same PC as the OPC Server or on a separate PC connected via a network connection.

Features and Benefits

The RadioLinx OPC Server manages querying the RadioLinx radios over the Ethernet connection. The OPC Server manages all requests for information about those radios, and communicates over the appropriate connection to retrieve the information.

Functional Specifications

- Presents data from RadioLinx products to OPC clients

- Communicates with the following types of radios:
  - RLX-IFHE
  - RLX-IFHS
  - RLX-FHE
  - RLX-FHES
  - RLX-FHS
  - RLX-IH
  - RLX-IHW
  - RLX-IHW-66
  - RLXIB-IHW
  - RLXIB-IHW-66
  - RLXIB-IESC
  - RLX2-IHx
  - RLX2-IFHx

- The FH radios present the following tags for OPC clients to monitor:
  - RSSI
  - Signal to noise
  - Serial number
  - Parent address
  - Associations
  - Bit error rate
  - Total bytes forwarded
  - Total bytes reversed
  - Total good packets
  - Tx Packet Errors
  - Reset Stats

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- The IH radios present the following tags for OPC clients to monitor:
  o RSSI
  o Firmware version
  o SSID
  o MAC ID
  o Parent MAC
  o Number of associations
  o Up time
  o Total good packets TX
  o Total failed packets TX
  o Soft reset
  o Total bytes TX

- Updates on demand, or every 10 seconds
- Survives communication errors and power failures. Recovers through power cycles
- Reads radio tags only; writing to tags is not fully implemented (Reset Stats and Soft Reset only)
- Implemented as a service on Window XP and a background application on Windows NT with a system tray icon
- Maintains quality values for radio tags

System Requirements

These configuration tools are designed for Microsoft Windows XP and Windows Vista. Minimum hardware requirements are:

- 100 MHz or faster Pentium PC
- 128 MB RAM
- CD-ROM drive
- 100 MB available hard drive space
- Available RS-232 serial port and null modem cable
- Ethernet port with RJ45 crossover cable for direct connection to module
  or
  Ethernet hub with standard RJ45 Ethernet cable
- Service Pack 2 required for Windows XP

Additional Products

ProSoft Technology® offers a full complement of hardware and software solutions for a wide variety of industrial communication platforms.

Visit our web site at http://www.prosoft-technology.com for a complete list of products.

Ordering Information

Use the following Ordering Information to identify the radio product needed for your region. If you are unsure which radio to select, please contact your local distributor.

To place an order, please contact your local ProSoft Technology distributor. For a list of ProSoft Technology distributors near you, go to http://www.prosoft-technology.com

Distributors:
Place your order by email or fax to:

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