



Intelligent Wireless SCADA Data Management



Features and Benefits

- Portable and fixed data management solutions
- Portable field system directly connects to mesh network and provides full read & write functionality to any IWS node. Rugged solution uses Trimble TDS RECON© handset
- Fixed system available for standalone operation or standards based MODBUS/DNP3 access
- Full on site logging, monitoring for alarms, email & SMS notification

DESCRIPTION

The Intelligent Wireless System (IWS) nodes provide fully functional bi-directional communications for system operation and network management. Plexus Controls have a number of options available to the user to ensure the best visibility, and timely management of the data.

With portable field management tools a field deployed operator can auto connect to any part of the mesh network, select the node to be managed and read and write to any of the I/O ports available. In addition, the operator can run any predefined processes (such as depth measurement).

Fixed server applications are also available and can be used either independently or with the mobile management tool. The fixed data solutions provided tools such as a graphic user display, instant readings, histograms and full alarm setup and notification system.

The portable and fixed systems operate independently and autonomously of each other ensuring that no data is corrupted or lost.

An optional MODBUS or DNP3 client interface allows the user full logging capabilities as well as a client interface for single or multiple server access. Standard register mapping facilitates easy read & write functionality to any of the IWS node.



Intelligent Wireless SCADA Data Management

FIELD MOBILE MANAGEMENT SYSTEM



Based on the Trimble TDS RECON® hardware platform, Plexus Controls IWS Mobile Field Management Tool (MFMT) offers exceptional versatility to the field operational staff providing full capabilities to manage any IWS node in the network. Even nodes out of sight will be connected through the integrated auto mesh radio interface embedded into the Trimble TDS system.

Plexus Controls custom designed application software, running under Windows Mobile 6.0 provides all the input (read) and output (write) interface to the user, as well as running custom processes such as depth measurement.

The easy to read screen has zoom capabilities to display data in even the most demanding light conditions as well as offering drop down menus to automatically scale input values and provide accurate depth and flowrate readings.

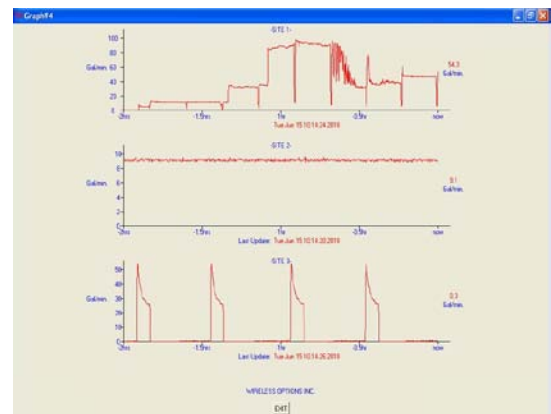
In addition to the input values, the MFTM operates as a network management tool, providing key information such as power & battery condition and connected receive strength signal values, a key indicator to the health of the systems link back to the main server.

DESKTOP MANAGEMENT SYSTEM



The desktop management system is a stand alone back end data collection and monitoring system that can provide all the basic tools to allow a user to manage the incoming data.

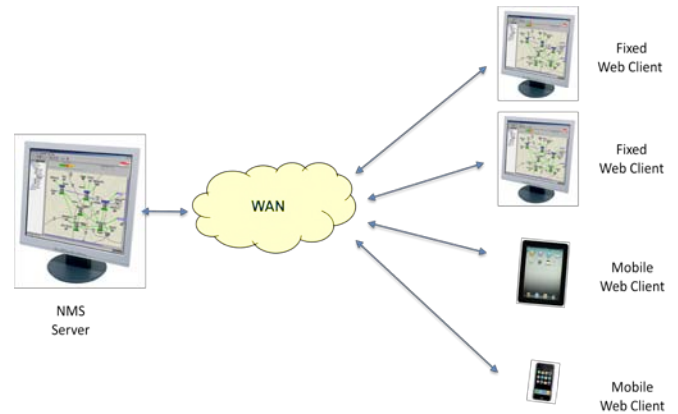
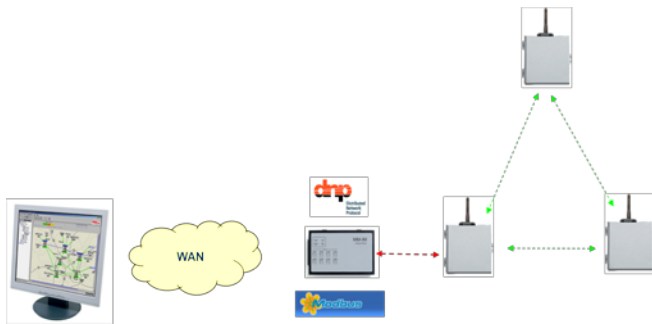
All node data streams into the system and is time stamped and logged (CSV format) to ensure accurate histograms can be reproduced. In parallel all data is available for instant viewing on the graphical interface.





Intelligent Wireless SCADA Data Management

MODBUS & DNP3 MANAGEMENT INTERFACE



For customers who wish to use standards based MODBUS or DNP3 servers to access their data, and need to integrate the new IWS solution into their existing legacy systems, Wireless Options have a solution available.

The IWS hub unit connects to a MODBUS/DNP3 interface unit on site. This ensures local data logging as well as offering a standard MODBUS or DNP3 client interface for single or multiple servers to connect

Plexus controls provides full mapping for all data parameters and control outputs ensuring existing legacy systems can be fully integrated with the new technology.

Similar to Plexus Controls desktop management system the MODBUS and DNP3 interface can be locally or remotely operated through a standard IP network, avoiding the requirements to interconnect using RS232 & RS485 serial connections.

And for customers always on the go, use your web browser enabled mobile device to access the network at any time.

ORDERING INFO

Sw	IWS-MS	Stand Alone Management Server Application License. GUI display with email & sms alarm notification
Kit	IWS-MOD64	Modbus interface hardware and software license. Up to 64 Points
Kit	IWS-MOD256	Modbus interface hardware and software license. Up to 256 Points
Kit	IWS-POR	Wireless management kit for Trimble 400 rugged mobile handheld unit. Includes CF Card, wireless mesh interface, drivers & runtime software for Trimble handheld unit. Runs under Windows Mobile 6



Intelligent Wireless SCADA Data Management



Copyright© 2011 Plexus Controls Inc.

To find out more, contact Plexus Controls:

Tel: 1-613-963-0751

Email: info@plexus-controls.com

www.plexus-controls.com