



SCADA Networking for Coronis Systems Sensors using T-BOX

Semaphore has developed a communications driver that allows a T-BOX RTU to communicate with a network of Coronis Systems wireless sensors.

Coronis Systems sensor products provide a reliable solution for monitoring and recording process data wirelessly in energy, food & beverage, industrial, and water supply applications. Based on Wavenis ultra low-power (ULP) wireless technology, the Coronis Systems sensor products benefit from extremely long battery life and makes wireless solutions possible even in the most hard-to-reach places.

Semaphore's driver brings all the benefits of T-BOX technology to networks that use Coronis Systems sensors. The T-BOX RTU can detect alarm conditions and, using push technology, report alarms to multiple recipients via e-mail, FTP/IP communications, or SMS text messaging. Systems integrators or end-user engineering can readily configure reports for alarming, live information, historical information, and trends. They can also easily configure web pages that include live and historical information and graphical representations of site conditions. The reports and web pages are available to all recipients on their PDAs or personal computers.

Since T-BOX RTU products also include multiple communications protocols, they can interface Coronis sensor products to a broad variety of SCADA systems.

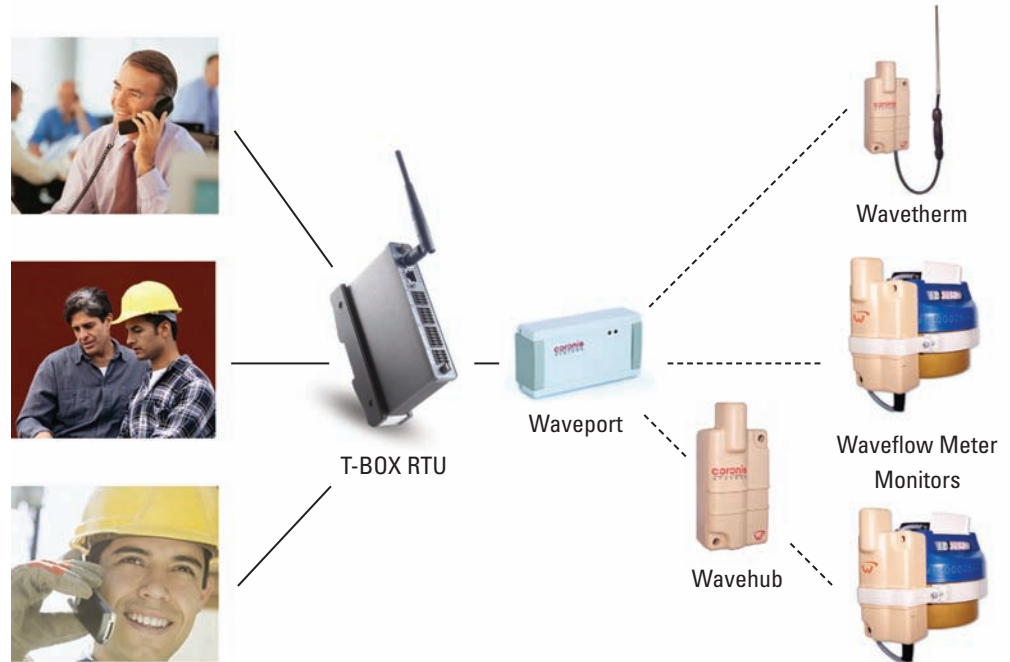
To learn more about Coronis products, please see their website, www.coronis-systems.com.

To learn more about Semaphore's products, please see www.cse-semaphore.com.

Technical Specifications

Semaphore RTU Products	T-BOX Lite, T-BOX MS
Communication from Waveport to RTU	RS 232
CORONIS Devices Supported	Wavetherm Temperature Sensor Waveflow Meter Monitor Wavehub Wireless Data Concentrator
Communication from Waveport to Sensors	License-free ISM Band Radio, 433, 868 and 915 MHz
Radio Range	5 kilometers outdoors, 300 meters indoors
Sensor Network Routing	Each sensor can function as a router (max. three routes)
Data Collected from Sensor Products	Live / instantaneous and Historical
RTU Configuration	Using a custom driver (free of charge), communication to sensors through remote tags
Sensor Configuration	None required

Networking Diagram



A T-BOX Lite or T-BOX MS RTU interfaces to a network of Coronis Wavenis wireless sensors via a Waveport network access device. Using push technology, live and historical metering information is available to users through e-mail, SMS text messaging, FTP and the Internet.

USA

CSE-Semaphore
15B Charron Avenue
Nashua, NH 03063
USA

P +1 (603) 577 3803/3804
F +1 (603) 577 3855

Australia

CSE-Semaphore
Unit 8, 3-5 Gilda Crt
Mulgrave, Victoria 3170
Australia

P+61 (03) 8544 8544
F+61 (03) 8544 8555

Europe

CSE-Semaphore Begium
Waterloo Office Park - Building "M"
Dreve Richelle, 161
B-1410 Waterloo
Belgium

P +32 (2) 387 42 59
F +32 (2) 387 42 75

© 2007 CSE-Semaphore. All rights reserved. T-BOX, T-VIEW, and Dream Report are trademarks of CSE-Semaphore. All other marks may be trademarks of their respective owners. 0761030 11/07