



SmartWireless®

Network Configuration Tool

GAS DETECTION SENSORS ■ INTEGRATED CONTROL SYSTEMS ■ SMARTWIRELESS® ■ PIPELINE ANALYZERS ■ ALARMS

Description

The SmartWireless® Network Configuration Tool is a custom device designed to configure Detcon's RXT and CXT SmartWireless® devices. The RXT-300 and RXT-320 series transceivers make wireless communication possible between controllers, sensors, and alarm stations in any SmartWireless® gas detection system. The Network Configuration Tool is used to synchronize and change wireless channels on any RXT transceiver and to configure RXT-300 wireless networks.

The Configuration Tool is lightweight yet powerfully equipped and has a 10.1" touch panel widescreen LCD for display and user input. The device interfaces with a USB wireless radio for easy communication and accurate configuration. The device is powered by 100-240VAC with supplied AC adapter, or can operate off an internal rechargeable battery for up to 8 hours on a single charge.

The radios in the Configuration Tool and RXT/CXT devices use the 2.4GHz frequency based upon the IEEE 802.15.4 standard. In order to communicate with each other, each device within the network must be set to the same RF channel and Network ID. The radios can be set to one of 16 RF channels (0-15) and many thousand Network IDs. Consequently, up to 16 RXT/CXT series based systems can be located in the same general area.



Features

- ▶ Configure RXT/CXT Series Devices & Networks
- ▶ 10.1" Touch Panel LCD
- ▶ Interfaces with USB Wireless Radio
- ▶ Battery Operates up to 8 Hours
- ▶ 2 Hour Charge Time

Applications

- ▶ Oil and Gas Drilling Rigs
- ▶ Oil and Gas Production Sites
- ▶ Wastewater Treatment Plants
- ▶ Food and Beverage Processing
- ▶ Pulp and Paper Mills
- ▶ Refining and Petrochemical

System Specifications

Processor/Cache

Intel Atom Z670 processor (1.5 Ghz)

Inputs

Touch (Capacitive Multi-Touch) and Pen (Active Stylus)

I/O Ports

1 USB
1 Video Out (micro-HDMI, Type D)
1 SD Card
Power Jack
Dock Connector

System Memory

1GB or 2GB 800MHz DDR2

System Storage

30GB Solid State Drive (SSD)
SATA 2.0 at 3.0Gb/s

Warranty

One Year

Environmental Specifications

Operating Temperature Range

41°F to +109°F, +5°C to +43°C

Mechanical Specifications

Display

10.1" Wide (LED Backlit, 1366x768) Dual Bonded

Dimensions

10.9" W x 7.06" H x .61" D; 276mmW x 179mmH x 15mmD

Weight

4lbs; 1.81kg

Order Guide

Part Number	Description
976-0003FF-000	SmartWireless® Network Configuration Tool

Electrical Specifications

Input Voltage

100-240VAC~1.5A, 50-60Hz
Lithium-Ion Battery with 43WHr capacity (up to 8 hours)

Power Consumption

65W, AC Adapter

Wireless Specifications

Frequency

ISM 2.4GHz

Range

Indoor/No Line of Sight – 1,000ft
Outdoor RF Line of Sight – 1 Mile

Spread Spectrum

Digital-Sequence Spread Spectrum (DSSS)

Modulation

0-QPSK

Sensitivity

-102dBm (1% PER)

Specifications subject to change without notice

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