

SMC-433/868/915 MHz SmartNext™ Control Panel

Main Features

- Up to 32 remote sensors + 4 repeaters
- Frequency hopping: Military grade, radio technology
- Standard ModBus output: RTU / TCP
- Transmission range:
 - Open air: Up to 1000 m` (3000 ft)
 - In door: Up to 100m` (300 ft)
- Compatible with any standard data acquisition / SCADA SW
- Remote configuration

Product Description

SmartNext™ is an industrial wireless sensors connectivity system that offers seamless connectivity of any standard sensor, using RF transducers and dedicated control panel. The SmartNext™ features an un-matched radio quality and robustness, specially designed to meet industry, harsh environment, requirements

The SMC 433/868/915MHz is the SmartNext™ control panel, supports up to 32, remote sensors and 4 repeaters.

The SMC control panel features true plug & play installation and easy configuration, either locally, using a build-in keyboard, or remotely via standard ModBus communication

The Standard ModBus output enables smooth connectivity of the SMC control panel to any existing SCADA, HMI, PLC, or transmission to SCADA based system in the "cloud"



SmartNext™ Family

Target Markets:

Food & Beverage

Pharmaceuticals

Industrial Furnaces

Water & waste-water

Laboratories

Applications:

Data logging

Temp & humidity

Pressure & level

Voltage: 0-2V, 0-5V

Standard 4-20mA

PT-100

Dry contact / Dig-in

Product Data Sheet

Connectivity & Network

Network protocol	Modbus
Comm' type	RTU (RS-485) / TCP-IP

Power Supply

Power consumption	100 mW
Backup power source	4.8V NiMH rechargeable
LCD display	Yes

Wireless

Frequency	433/868/915 MHz
No. of supported sensors	32
No. of supported Repeaters	4
WL output power	Up to 20 dBm (Automatically adjusted)
Network topology	Star
Receiver sensitivity	-105 dBm
Modulation	GFSK Spread spectrum
Frequency hopping	Yes

Range

Out-door (LoS)	Up to 1000m / 3000 Ft'
In-door	Typically 100m / 300 Ft'

Configuration

Local config	Yes, via control panel's on-board keyboard
Remote config	Yes

Enviromental

Operating temp	-30°C / -22°F to +70°C / +158°F
Case enclosure type	IP67 (inside dedicated enclosure)
Dimensions	CI4 (or equivalent)
FCC, CE	Yes