VYKONstat Wireless Option Card

Overview

The VWGAPP1028 wireless communication card and related "WirelessStat" driver jar file have been specifically designed to be used by Niagara^{AX}® powered VYKON JACE controllers. When utilized in conjunction with the VT7xxxXxxxxW series wireless VYKONstat thermostats, they offer the integrator simple integration to the Niagara^{AX}® environment. The application is targeted at retrofit applications where the addition of communicating field bus wiring within the building space is prohibitive.

The VYKONstat Wireless Option communication card and associated Wireless Communicating Thermostats encourages the use of existing wiring utilized by existing electronic thermostat type controls.

Additional documentation is available on www.vykon.com

Features

- Supports up-to 30 thermostats per JACE
- BACnet and LonTalk models available
- Auto-discovery of VYKONstat nodes
- Wireless network interface
- Thermostat operates in absence from network connection
- Uses existing equipment wiring to power thermostat
- Software driver for Niagara Framework

Benefits

- Provides solutions for all building sizes
- Mix wired and wireless solutions
- Reduces Engineering cost
- Cost effective installation for buildings not previously automated; or wired for device communications
- Fault-tolerant application of energy savings and automation technology
- Simply replace existing thermostat, less disruption to the office environment; Faster ROI
- Easy integration with all building systems

VYKON®
BY TRIDIUM

Powered by
niagara^{AX}
FRAMEWORK®

Ordering Information

Part Number	Restrictions
VWGAPP1028	Wireless Option Card for J2/J6; includes wireless driver license.
VWWA1028	Replacement Whip Antenna (One is included with wireless card above)
VWRA1028	Remote Antenna Kit (ordered separately from wireless card)

Specifications

Communications

- 802.15.4 Wireless physical layer of 2.4GHz; data rates of 250 kbps

- High throughput and low latency

- Automatic multiple topologies configuration: star, peer-to-peer, mesh

- Fully handshake protocol for transfer reliability

- Range: 30 feet / 10M typical (up to 100 feet / 30 M based on environment)

Environmental

- Operating temperature range: 0° to 50°C (32°F to 122°F)

- Storage Temperature range: 0° to 60°C (32°F to 140°F_

- Relative humidity range: 5% to 95%, non-condensing

Wire Gauge

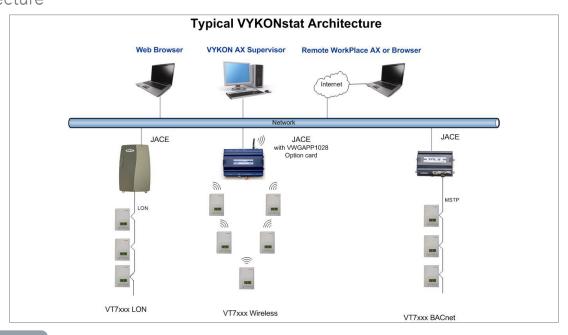- Not Applicable

Physical

- Occupies one JACE 2/6 Option Slot

Shipping Weight

- Less than one pound

Agency Approval

- UL

- FCC

- CE

Architecture

Typical VYKONstat Architecture