



TAC Xenta™ 913

TAC Xenta™ 913 is a cost effective gateway for integrating a large variety of products into a TAC network. It lets you build a seamless integrated system with a single operator interface with full functionality at the network level. The TAC Xenta 913 supports the most commonly used open protocols, like LonWorks® and BACnet, etc. The TAC Xenta 913 transfers values between supported networks.

- Bridges the gap between protocols
- The key to seamless integration of different vendors systems
- Direct communication with third party products at the field level
- Migration and update of systems without replacement of older equipment

THE TAC Xenta 913 SOLUTION

The TAC Xenta 913 provides a fast, reliable method of protocol conversion from one format to another. The TAC Xenta 913 bridges the gap between protocols, allowing legacy hardware to coexist with open systems such as TAC Vista. It gives you the freedom to migrate to open systems and to upgrade your site without having to replace older equipment.

MANY OPTIONS

TAC offers a wide variety of protocol options. These protocols enable multiple vendor systems such as chillers, lifts, fire alarms and energy meters all to be connected to one front end Building Management System. The TAC Xenta 913 supports many common protocols like TCP/IP, LonTalk®, Modbus, BACnet™ and other legacy systems.

For more than a decade, TAC has been providing hundreds of gateway solutions for installations all over the world. Some of the systems that can be interfaced include:

- Chillers
- Fire Panels
- Boilers
- Generators
- Uninterruptable Power Supply (UPS)
- Power Meters
- Programmable Logic Controllers
- Lighting Systems
- Air-conditioning System
- Elevators

ONE SYSTEM – MANY FUNCTIONS

Using TAC Xenta 913 you will be able to monitor and control your entire facility with one operator interface like TAC Vista™.

There is no need to have multiple PCs and software's and no need to learn different user interfaces and applications. The operators can concentrate on one set of graphics and one alarm system. You need not to replace existing equipment to achieve this. You can continue to expand your facility according to your budgets and get the maximum value from your installed equipment.

RELIABLE AND COST EFFECTIVE

TAC Xenta 913 communicates with third party products, at the Field level, therefore no computer or PC is involved in the data exchange. No hard disks to fail, no unreliable operating systems that crash frequently and no one can accidentally turn it off.

PC based interfaces are more expensive to implement as you have to purchase the PC, generally an expensive industrial grade unit, an operating system and an UPS to maintain power. This is before you have even purchased the software that will do the protocol translation. With the data exchange occurring at a local level, the speed and reliability of data exchange to the third-party system is significantly improved with TAC Xenta 913 compared to other companies PC based solutions. This can be vital when the integration is to a critical system like a fire panel or an emergency power system.

EASY TO USE

TAC is committed to provide gateways that are easy to install, configure and operate. We provide a full suite of support tools to simplify the configuration of the gateway. These tools are customized to suit each type of protocol with a familiar Windows look.

The TAC Xenta 913 diagnostic tools are designed to help you deal successfully with many of the common problems that rise when you integrate to third part systems. The TAC Xenta 913 can simultaneously act as a diagnostic interface and communication logger, remote accessible via an TCP/IP connection.

SUGGESTED FIELD OF APPLICATIONS

- Link chiller plant into your BMS to provide advanced load control and sequencing. Also provide continuous monitoring of performance and remote annunciation of alarms through the BMS.
- Integrate "smart" power meters into the BMS to get sophisticated energy monitoring and reporting at your desk-top.
- Implement advanced load shedding strategies in both normal operations and during power outages by integrating mechanical plant with diesel generators and UPS banks.
- Link elevators, lighting, HVAC and access control to provide sophisticated after hour's operation of the building simply by swiping your access card in the elevator cab.
- Avoid duplication of sensors on central plant equipment like chillers and boilers. One set of sensors to calibrate and maintain that reduces overall installation and maintenance costs.
- Provide sophisticated fault changeover and remote alarming systems for critical operations in telecommunication and pharmaceutical industry as well as in hospitals.

FEATURES

- Secure interface for configuration with username and password logon.
- 16 Mbytes on board memory expandable to 128 Mbytes.
- Powerful industrial grade microprocessor and real-time operating system.
- Easy to use Windows configuration tools customized to each protocol.
- Built-in support for diagnostic and communication logging operations.
- Web interface for diagnostics.
- Configuration is done with the easy to use TAC XBuilder software
- Configurable via an RS-232 serial or an Ethernet connection.

SUPPORTED PROTOCOLS

- LonWorks (FT-10)
- BACnet (IP/PTP/MS-TP)
- Modbus (Master/Slave/TCP)
- I/NET (HLAN/CLAN)
- M-bus (Meter bus)
- C-bus (Clipsal bus)
- LACnet

COMMUNICATIONS

- Ethernet 10baseT with TCP/IP support.
- LonWorks FTT-10A.
- One EIA-232 serial port.
- One configurable EIA-232 or EIA-485 port.

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