



MicroScan 5 xTalk

Digital Network Controller

HMI AND SOFT CONFIG

MS5-xTalk is the first MicroScan product to feature an integrated HMI for monitoring the device's status as well as completely configuring the unit for operation.

EASY INTEGRATION

Can be installed onto existing and new network systems with ease due to multiple communication options and multiple accepted network configurations.

STANDALONE FEATURE

Performs hundreds of control applications including Info-Scan GPL, continuous process control, time of day scheduling, holiday management and optimized start/stop without intervention from upper level processors.

EASY INSTALLATION

DIN rail mountable enclosure allows for a quick and easy installation without the use of tools.



- Intuitive HMI Menu Interface
- Four Serial Ports
- 10/100 Mb Ethernet Link
- BACnet Compatibility
- Intelligent Control at Device Level
- DIN Rail Mountable
- Secure Operating System
- Supports In-System Software Updates From Remote Workstations

The MicroScan 5 xTalk (MS5-xTalk) is the newest generation xTalk product designed to permit wide-scale integration of multiple sublevels of control equipment in a single device. Building upon the success of our first generation xTalk, this product expands the connectability capacity by a factor of two. Additionally, the MS5-xTalk now features a completely software-configurable setup, driven by a two-line LCD and keypad. The menus are intuitive and easy to navigate, allowing setup in just minutes.

An array of communication options and possible network configurations allow this device to be inserted into both existing and new network segments with ease. It is equipped with four RS-485 serial ports, one of which is RS-485/RS-232 configurable, and an auto-negotiating 10/100 Mb Ethernet port. xTalk takes advantage of high speed Ethernet communications in local building environments, bringing a higher level of performance to existing MicroScan 3, MicroScan 4, Johnson N2, and ModBUS

RTU networks.

Designed to be drop-in replaceable for existing standalone BACnet/IP routers, xTalk fluidly integrates into existing networks as a controller with BACnet/IP routing capabilities. This eliminates the requirement for a separate standalone BACnet/IP router, yielding a robust, cost sensitive solution.

The employment of intelligent control at the Device level of the network was enhanced in MicroScan 5; the unit performs all Info-Scan control functions including Graphical Programming Language (GPL), continuous process control (CPC), time of day scheduling, holiday management and optimized start/stop. This gives the unit excellent standalone performance capabilities and reduces network traffic.



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Features and Benefits

TECHNICAL SPECIFICATIONS

Physical

Dimensions: 5.8" w x 4.2" h x 1.5" d

Weight: 1.45 lb (0.658 kg)

Environmental

Storage: -25-80° C (-13-176° F);

0-90% RH non-condensing

Operating: 0-40° C (32-104° F);

0-90% RH non-condensing

Supply Voltage

5 ± 10% VDC via plug-in transformer
(included)

Power Consumption

0.85W (average)

Communication

Network Port: 10/100 Mb

Ethernet, BACnet/IP Protocol,
ModBUS/TCP

Serial Ports: (1) RS232 or RS485,
(3) RS485

Baud rate 2.4-76.8 kbps

Supported Protocols:

BACnet MS/TP, ModBUS RTU, N2,
BACnet IP



MS5-xTalk introduces a new, completely autonomous setup and configuration process with an onboard LCD and keypad— *switches, jumpers and notebook connections are things of the past.*

When the Ethernet port is used as an uplink, all serial ports are available for downlink communications to native Info-Scan and MicroScan equipment as well as 3rd party equipment such as VFDs and other controllers. Currently, the downlink protocol is configurable for 3rd party equipment using the ModBUS RTU, JCI N2, and BACnet devices.



Additional xTalk features are:

Easy Installation— The xTalk is housed in a compact DIN rail mountable enclosure and equipped with removable terminal blocks that allow for quick and easy installation.

Intuitive HMI Interface— A 2x16 character LCD paired with a 6-button keypad allows insight to the operational status of the device that was required a notebook pc connection on previous versions.

Software Configurable— Hardware configuration is jumper-less and completely performed via the keypad and LCD display with an intuitive menu interface.

Communications Indicators— Transmit(Tx) and receive(Rx) LEDs are provided for each serial port. Ethernet link and activity LEDs are included on the RJ45 jack.

In-System Programmability— Updating xTalk firmware can conveniently be done via a remote Info-Scan workstation. One or more xTalk devices may be programmed sequentially.

NEED ASSISTANCE?

- [Technical Support](#)
- [Installation and Setup](#)
- [Maintenance](#)
- [Application Support](#)
- [Software Support](#)
- [Warranty ???s](#)

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Ordering Information

Order Part No. MS5-xTalk

