

# DATASHEET

## Johnson Controls Metasys Slave Interface Module

PTQ-N2



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The ProTalk<sup>®</sup> Johnson Controls Metasys Slave Communication Module allows Schneider Electric Quantum compatible processors to interface easily with other Johnson Controls N2 master devices.

These modules are ideal for commercial building and energy management projects. Single or multiple processor applications will benefit through reduced installation costs and increased functionality.

### Features and Benefits

Feature	Benefit
Communicates with Johnson Controls Metasys Master (NCM, N-30, NAE, NIE)	Enables SE Quantum control systems integration into existing Metasys master systems
Two configurable N2 application slave ports	Segmented and separate networks can justify better performance and control, or implement redundant connectivity
Easy to Configure and Monitor	ProSoft Configuration Builder software (included) allows you to customize module configuration files and view module diagnostics
Three Year Warranty	Low risk investment with great cost savings, backed up by a better than average equipment failure protection plan, from the industrial communications experts who know protocols, devices, and automation

### Configuration

ProSoft Configuration Builder (PCB) provides a quick and easy way to manage module configuration files and view module and network diagnostics. PCB is not only a powerful solution for new configuration files, but also allows you to import information from previously installed (known working) configurations to new projects.

### General Specifications

- Single Slot - Quantum backplane compatible
- The module is recognized as an Options module and has access to PLC memory for data transfer
- Configuration data is stored in non-volatile memory in the ProTalk module
- Configuration software for Microsoft Windows XP, 2000 and NT is included with the module
- Up to six modules can be placed in a rack

- Local rack - The module must be placed in the same rack as the processor
- Compatible with common Quantum programming tools: UnityPro XL, Concept, ProWORX
- Quantum data types supported: 3x, 4x
- High speed data transfer across backplane provides quick data update times
- Sample ladder file available

## Functional Specifications

Specification	Description
N2 Objects	Binary Input/Output: Up to 960 points Analog Input/Output: Up to 255 points
Commands/ Sub-commands	0/4, 0/5, 0/9 Status 1/1, 1/2, 1/3, 1/4 Read Attributes 2/1, 2/2, 2/3, 2/4 Write Attributes 7/2/3, 7/2/4 Override Output F: Identify Device Type
Configurable options	Slave Address (assignable individually for Port 1 and 2) Analog Input/Output Object Count Binary Input/Output Object Count
Other	Warning and Alarming functions performed on Analog Input and Binary Input data types  Change of State Response buffering Communication status error codes and statistics returned per port: Communication parameter: Baud rate 9600 bps  Memory mapping is pre-assigned to optimize data access and to ease implementation

## Hardware Specifications

Specification	Value
Backplane Current Load	800 mA @ 5 V
Operating Temperature	0 to 60°C (32 to 140°F)
Storage Temperature	-40 to 85°C (-40 to 185°F)
Relative Humidity	5% to 95% (non-condensing)
Vibration	Sine vibration 4-100 Hz in each of the 3 orthogonal axes
Shock	30G, 11 mSec. in each of the 3 orthogonal axes
Dimensions (HxWxD), Approx.	250 x 103.85 x 40.34 mm 9.84 x 4.09 x 1.59 in

Specification	Value
LED Indicators	Module Status Backplane Transfer Status Serial Port Activity Serial Activity and Error Status

### Debug/Configuration Port (Debug)

CFG Port (DEBUG)	DB-9M PC Compatible RS-232 only No hardware handshaking
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### Application Ports

Application Serial Ports (PRT1, PRT2)	DB-9M PC Compatible RS-232/422/485 jumper selectable RS-422/485 screw termination included RS-232 handshaking configurable 500V Optical isolation from backplane
Certifications	cULus, ATEX, CE

## Additional Products

ProSoft Technology® offers a full complement of hardware and software solutions for a wide variety of industrial communication platforms.

Visit our web site at <http://www.prosoft-technology.com> for a complete list of products.

## Ordering Information

**To order this product, please use the following:**

PTQ-N2                      Johnson Controls Metasys Slave Interface Module

To place an order, please contact your local ProSoft Technology distributor. For a list of ProSoft distributors near you, go to <http://www.prosoft-technology.com>

### Distributors:

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