

Johnson Controls Metasys N2 Slave Network Interface Module for Quantum PTQ-N2

The Johnson Controls N2 Communication Module allows compatible processors to interface easily with Johnson Controls N2 master devices.

The PTQ N2 module acts as an input/output module between the Johnson Controls Metasys network and the backplane. The module is capable of receiving commands from a master device. The data transfer from the processor is asynchronous from the actions on the Johnson Controls Metasys network. An internal database in the module exchanges data between the processor and the Johnson Controls Metasys Master (NCM, N-30, NAE, NIE).



Features	Benefits
Easy to Configure and Monitor	<ul style="list-style-type: none"> ◆ ProSoft Configuration Builder software (included) allows you to customize module configuration files and view module diagnostics
Licensed Backplane Technology	<ul style="list-style-type: none"> ◆ Manufactured under license from Schneider Electric[®] ◆ High-speed data transfer between PTQ module and Quantum[®] processor ◆ Installs as a Generic NOM module, ladder logic programming not required for most applications
Backed by ProSoft Technology	<ul style="list-style-type: none"> ◆ 20-year history of delivering high-quality, reliable solutions designed with you in mind ◆ Free, unlimited, worldwide Technical Support by phone for pre-sale, set-up, or troubleshooting support helps you get going sooner and stay running longer ◆ Three-Year Warranty ensures reliability and protects against equipment failures ◆ Free ProSoft Software tools tightly integrate with our hardware...a simple and quick, total solution to help you make our products fit your applications

Configuration

ProSoft Configuration Builder (PCB) provides a PC-based software configuration solution for quick and easy management of module configuration files, as well as viewing communication 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 into 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 four modules can be placed in a rack
- Local rack - The module must be placed in the same rack as processor
- Compatible with all common Quantum programming packages, including Concept (version 2.6 or higher), Unity Pro (version 2.2 or higher), ProWORX (version 2.20 or later), and ModSoft.
- 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



Additional Products

ProSoft Technology® offers a full complement of hardware and software solutions for a wide variety of industrial communication platforms. For a complete list of products, visit our web site at: www.prosoft-technology.com

Ordering Information

To order this product, please use the following:

Johnson Controls Metasys N2 Slave Network Interface Module for Quantum

PTQ-N2

To place an order, please contact your local ProSoft Technology distributor. For a list of ProSoft Technology distributors near you, go to: www.prosoft-technology.com and select Distributors from the menu.

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fax to +1 661.716.5101

Europe / Middle East / Africa
europe@prosoft-technology.com
fax to +33 (0) 5.61.78.40.52

Hardware Specifications

Specification	Value
Backplane Current Load	1100 mA maximum @ 5 Vdc \pm 5%
Operating Temperature	0°C to 60°C (32°F to 140°F)
Storage Temperature	-40°C to 85°C (-40°F to 185°F)
Relative Humidity	5% to 95% (without condensation)
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
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
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Agency Approvals & Certifications

CSA/cUL	C22.2 No. 213-1987
CSA CB Certified	IEC61010
ATEX	EN60079-0 Category 3, Zone 2 EN60079-15



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