

TALON Remote I/O-16 RS-485 Module



Description

The TALON Remote I/O-16 RS-485 module is part of the TALON portfolio of hardware, software and tools for remotely monitoring and controlling applications, thereby enabling end-to-end automation and device-to-enterprise integration.

The Remote I/O-16 RS-485 allows the TALON Network Manager (TNM) to extend applications to include inputs and outputs remotely located up to 4,000 feet from the TNM. The connection is established through an industry standard RS-485 multi-drop communications bus. Up to sixteen (16) I/O-16 RS-485 devices can be utilized on a single TNM, providing a total of 256 I/O points on a single TNM.

Features

- 16 I/O Points per device
- 8 Universal Inputs - Type 3 (10k) Thermistors, 0-100K ohm, 0-10 Vdc, 0-20 mA with external resistor
- 4 relay outputs (Form A contacts, 24 Vac @ .5 amp rated)
- 4 analog outputs (0-10 Vdc)
- Up to 16 remote I/O-16 RS-485 modules maximum per TNM (limit of 4 on a TNM-2 and TNM-2 XPR)
- Power Options

- Direct connect (Pin compatible) with the Universal Power Supply (588-679) and the wall adapter (588-675).
- Modules can be powered directly from select TNM models with 15 Vdc outputs.
- External 15 Vdc power supply
- DIN rail or surface mounting

Applications

The Remote I/O-16 RS-485 expands the TNM capability by providing inputs and outputs for monitoring and control functionality. In addition, the Niagara^{AX} Framework library of control function blocks can be utilized to build complex control algorithms in the TNM. Up to four (4) modules can be used with a TNM-2, TNM-2 XPR, or TNM-6 XPR. Up to sixteen (16) modules can be used with a TNM-6 or TNM-7.

Specifications

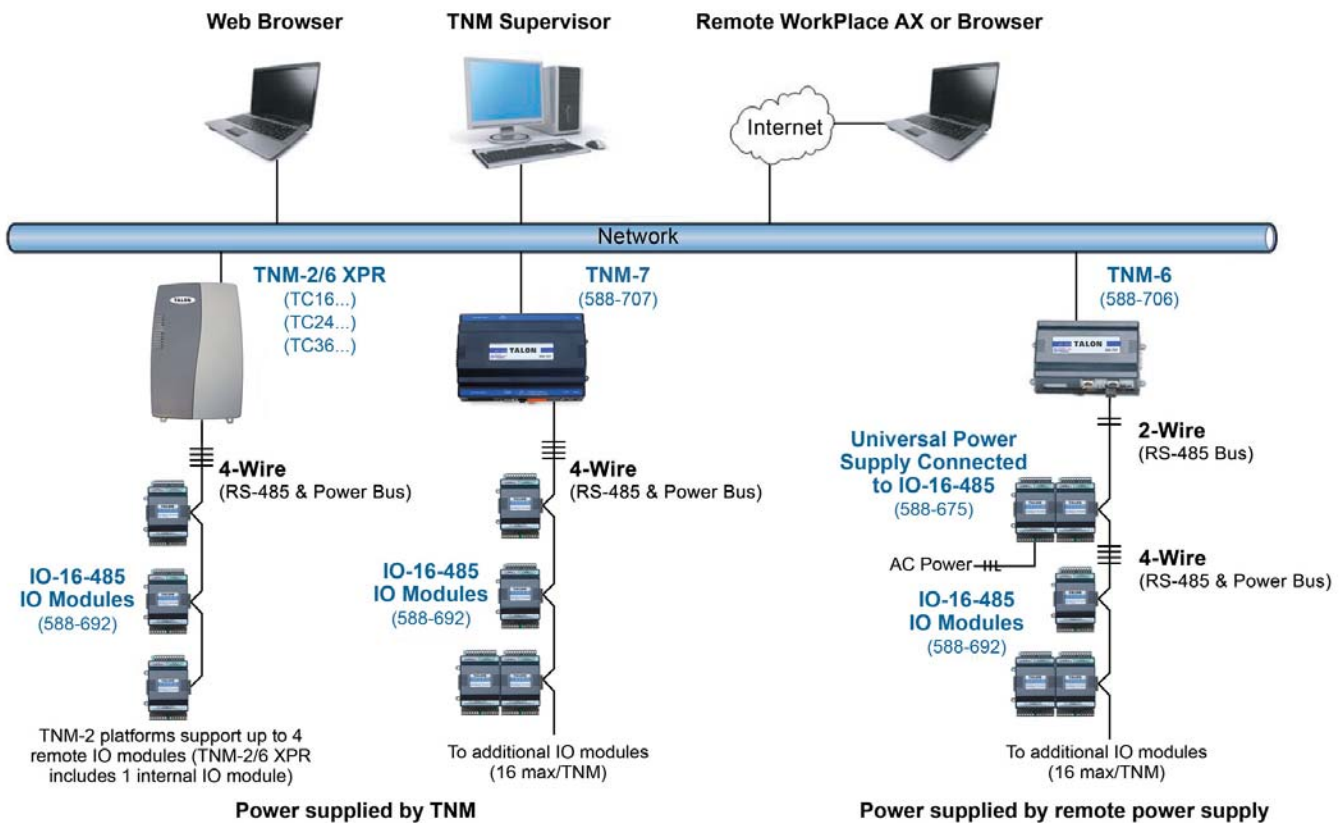
Inputs	8 Universal Inputs - Type 3 (10k) Thermistors, 0-100K ohms, 0-10 Vdc, 0-20 mA with external resistor
Outputs	<ul style="list-style-type: none"> • 4 relay outputs (Form A contacts, 24 Vac @ 0.5 amp rated) • 4 analog outputs (0-10 Vdc)
Power Input	<ul style="list-style-type: none"> • 12-15 Vdc • All relay off: 0.75W • All relays energized: 2.0W • Refer to the TALON Remote I/O-16 RS-485 Module Installation Guide for requirements when powering the module from a TNM.
Agency Listings	<ul style="list-style-type: none"> • UL 916 • CE • RoHS compliant

Ordering Information

Part Number	Description
588-692	16-Point Remote I/O Module
588-679	Universal Power Supply, 90-263 VAC 50/60 Hz auto-sensing power supply
588-675	Wall adapter, 90-240 Vac, 50/60 Hz, US plug type

TALON Architecture

Typical Remote IO Module Architecture



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