

# IO-16-REM-H

**SPECIFICATION DATA**



## OVERVIEW

The IO-16-REM-H is part of the WEBs-AX/ComfortPoint portfolio of hardware, software, and tools designed for remote monitoring and control applications. The IO-16-REM-H allows the WEBs-AX/ComfortPoint controller to extend applications to include inputs and outputs remotely located up to 4,000 feet from the controller. The connection is established via an industry standard RS-485 multi-drop communications bus. Up to sixteen (16) IO-16-REM-H devices can be utilized on a single controller providing a total of 256 I/O points.

## FEATURES

One word describes the IO-16-REM-H Module – flexible. IO-16-REM-H modules may be located up to 4,000 ft. from a controller, reducing wiring and installation costs for remote device monitoring and control, and allowing easy integration and control of equipment whether it is located near to or far away from the controller. A common power and communication wiring trunk saves installation time and materials and makes troubleshooting easier. With its flexible I/O mix, the IO-16-REM-H is easy to apply to almost any equipment layout, whether distributed throughout a facility or concentrated in mechanical rooms. Power for these modules may be provided by a NPB-PWR-UN-H, through the Pin compatible side connector on the WEBs-AX/ComfortPoint controller, or an external 12-15 battery backed power VDC supply – whichever method is best suited to your application.

Approximately 4 IO-16-REM-H modules may be powered by the controller power supply where this option is available. Additional remote modules must be powered by the NPB-PWR-UN-H or other 12-15 VDC Power Supply.

## SPECIFICATIONS

**Inputs:**

8 Universal Inputs - Type 3 (10k) Thermistors, 0-100K ohms, 0-10 VDC, 0-20 mA with external resistor

**Outputs:**

4 pilot duty relay outputs (Form A contacts, 24 VAC @ .5 amp rated)  
4 analog outputs (0-10 VDC)

**System Capacities:**

16 max per WEB-600/CP-600  
15 max per WEB-602-XPR/CP-602-XPR  
16 max per WEB-700/CP-700  
4 max per SEC-H-600  
4 max per WEB-201/CP-201  
3 max per WEB-201-XPR/CP-201-XPR

**Power:**

12-15VDC  
All relay off: 0.75W  
All relays energized: 2.0W

**Environment:**

Operating temperature range: 0° to 50°C (32°F to 122°F)  
Storage temperature range: 0° to 60°C (32°F to 140°F)  
Relative humidity range: 5% to 95%, non-condensing

**Agency Listings:**

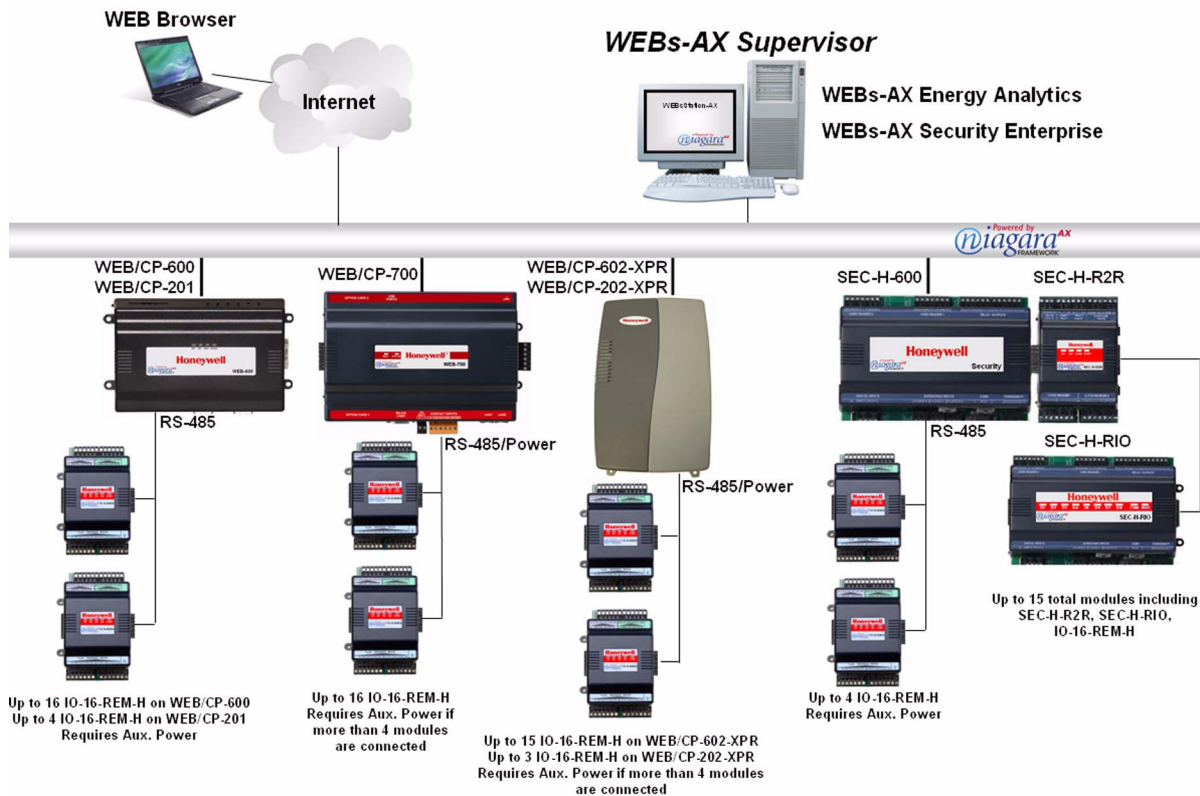
UL-916  
CE  
RoHS



# ORDERING INFORMATION

**Table 1. WEBs-AX Supervisor Software.**

Part Number	Description
IO-16-REM-H	Includes (8) Universal Inputs, (4) Form A Relay Outputs, and (4) 0-10 VDC Analog Outputs. Intended for DIN rail mounting.
NPB-PWR-UN-H	90 - 263 VAC 50 / 60 Hz Auto sensing Power Supply Module, 2A, 15VDC Output. Intended for DIN rail Mounting.
HP300ULX	Battery Backed Power Supply/Battery Charger, 2.5 A, 12 VDC. Includes enclosure with room for 2 SLA batteries. UL Listed for Access Control and Fire Alarm.
HP300ULPD4CB	Battery Backed Power Supply/Battery Charger, 2.5 A, 12 VDC with 4 isolated outputs. Includes enclosure with room for 2 SLA batteries. UL Listed for Access Control and Fire Alarm.
HP400ULX	Battery Backed Power Supply/Battery Charger, 4 A, 12 VDC. Includes enclosure with room for 2 SLA batteries. UL Listed for Access Control and Fire Alarm.
HP400ULPD4CB	Battery Backed Power Supply/Battery Charger, 4 A, 12 VDC with 4 isolated outputs. Includes enclosure with room for 2 SLA batteries. UL Listed for Access Control and Fire Alarm.
712BNP	12 VDC 4 AH Sealed Lead Acid (SLA) Battery.



**Fig. 1. System Architecture.**

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