Accessories

ESC-2
Ethernet to Serial Converter

ZW-9
Z-Wave® Interface Module

PCM-4
Port Control Module

ZM-24
2.4GHz Zigbee® Transceiver

RCM-4
Relay Control Module

RM-433
433MHz RF Antenna

XP-8v Advanced Control Processor

The XP-8v is our most powerful system processor, able to control and automate the most advanced smart homes and smart offices. The processor leverages an extensive driver database to facilitate integration of third-party devices, such as A/V, lighting, shades, security and HVAC in homes and office buildings. The third generation of the popular XP-8 control processor, the accelerated XP-8v kicks control into high gear with even more processing power, additional memory and an HDMI output for an OSD (on-screen-display) interface. Increased performance combined with a real time/multitasking operating system, tremendous expandability and compatibility with any RTI controller or app, make the XP-8v the perfect solution for large-scale and complex projects.

Key Features

- Powerful 32bit, 1GHz CPU.
- 512MB of non-volatile Flash memory, 1GB RAM.
- HDMI output for OSD provides bidirectional control interface on a TV.
- Eight two-way RS-232 ports.
- Eight relays can be programmed as a contact closure or voltage trigger.
- Eight multi-purpose I/O ports, compatible with standard IR emitters and optional RTI power sensing and communications modules.
- Eight sense inputs can trigger events based on contact closure or voltage.
- Astronomical clock allows time-based events.
- SD/MM Card Slot for Memory Expansion.
- Front panel controls/display (11 Buttons for front panel control).
- All output ports incorporate both short-circuit and overload protection.
- Variable IR output on all ports.
- Non-volatile Flash memory stores your system configuration even when power is not present.
- Field upgradable firmware.
- USB and Ethernet programming.
- Input for connection of both 433MHz and 2.4GHz Zigbee® RF modules.
- Rack mountable or free standing.

Included in the Box

XP-8v, power supply (12V, 1A), RJ45 to DB9 serial adaptor (8), rack ears (2) with screws, feet (4) with screws, terminal blocks (3x 4-position, 3x 2-position)

Specifications

Power Supply .... +12VDC, 1A

Multi-Purpose Output Ports .... Eight custom 3.5mm .... 4-conductor jacks. Designed for RTI .... modules as well as industry-standard IR emitters.

IR Output Drive ....100mA maximum (per port, adjustable) .... 200mA maximum (high IR output port)

Infrared Frequency Transmission Range............. 15kHz - 460kHz

Infrared Input.........................Compatible with industry-standard ....repeaters and receivers

Video Output for OSD....................................... HDMI 720p/1080p

Relays .... Eight, 3 Amps @ 30 VDC or 12V/100mA Trigger

Sense Inputs... Eight, Digital/Closure

RS-232 Ports... Eight, RJ45 Connection

Ethernet Port....................... One 10/100Base-T, RJ45 Connection

USB Ports..Two Host, 1 Programming

RTI Com Port .... Two-way Zigbee® Communication Port, ...RJ45 Connection

Expansion Port...............One RS-485 / IR / PWR, RJ45 Connection

Memory Expansion .... SD/MM Card Slot

Display.. High-contrast STN LCD

Display Size (H x W)........................... 0.7" x 2.8" (18 mm x 60 mm) .... 32h x 122w pixels

Backlights... Blue LED (Display/Keypad)

Mounting ....Rack-mount or free standing

Operating Temperature ....+32°F to +122°F (0°C to +50°C)

Operating Humidity .... 5% to 95% Non-Condensing

Dimensions (W x H x D).. 17" x 1.7" x 6.4" ....432 mm x 43 mm x 162 mm

Weight .... 4 lb. (1814 g)

Warranty... Three Years (Parts & Labor)

All Specifications subject to change without notice.
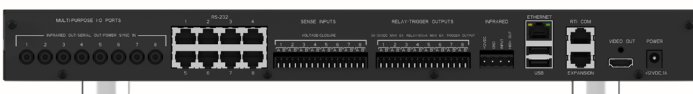
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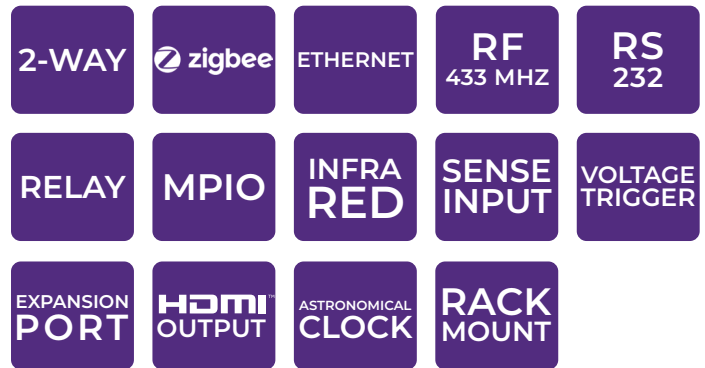
Do more with Integration Designer 11

Integration Designer 11 elevates the experience for all RTI systems, from residential to commercial. Its stunning new template - complete with custom slider support, one-click background swapping and more - makes it faster than ever to deliver a beautiful finish to every installation. Drivers are directly accessible from within the software, with notifications to keep you always up to date. The integrated system manager lets you track rooms, room status, and source status to save time on every installation. All this and more in Integration Designer 11.

Front view - cover removed

Rear view