



Advanced Control Processor

XP-8V

SKU: 69807 UPC: 810065000000

The XP-8v is a high-end remote control processor for automating the operation of electronic systems such as A/V, lighting, security and HVAC in homes and office buildings. The third generation of the popular XP-8v advanced control processor, the accelerated XP-8v kicks control into highgear 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.

The XP-8v offers an abundance of control interface options such as two-way RS-232, routable IR, Ethernet and relay control. For expanded integration capabilities eight multi-purpose I/O ports support optional modules for voltage sensing and RS-232 control. The XP-8v also features eight programmable relay input/outputs and eight sense inputs (voltage or contact closure). Eight two-way RS-232 ports and an Ethernet port provides even more advanced control with feedback. Additionally, the XP-8v incorporates an astronomical clock, allowing for time based events and timers to trigger commands and macros. With all these interface and control options, the XP-8v provides a nearly unlimited arsenal of control capabilities.

Features

- Powerful 1GHz i.MX CPU.
- 1GB of RAM memory and 512MB of non-volatile Flash memory.
- 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 are compatible with industry 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.
- Programmed using the Integration Designer Software.
- 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.

Power	+12VDC, 1.0A
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 Range	15 KHz - 460 KHz
Infrared Input	Compatible with industry-standard repeaters and receivers

Video Output of OSD	HDMI 720p/1080p
Relays	Eight, 3 amps @ 30VDC or 12V/100mA Trigger
Sense Inputs	Eight, Digital/Closure
RS232 Ports	Eight RJ45 Connections
Ethernet Port	One 10/100Base-T, RJ45 Connection
USB Ports	Two Host, One Programming
RTI Com Port	Two-way Zigbee Communication Port, RJ45 Connection
Expansion Port	RS-485/IR/PWR, RJ45 Connection
Memory Expansion	SD/MM Card Slot
Display	High-contrast STS LCD
Display Size(HxD)	.7 in x 2.8 in (18mm x 60mm) 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 in (432mm) x 1.7 in (43mm) x 6.4 in (162mm)
Weight	4 lbs (1814g)
Warranty	Three Years (Parts & Labor)