



XP-8v Control Processor

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 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.

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

Key Features

- Powerful 1GHz i.MX CPU.
- 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.
- 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.

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 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)
Dimensions (W x H x D)	17 in (432mm) x 1.7 in (43mm) x 6.4 in (162mm)
Weight	4 lb. (1814g)
Warranty	Three Year (Parts & Labor)

All specifications subject to change without notice



Front view - cover removed



Rear view

RTI User Interfaces

RTIPanel	Mobile & PC Software Interface (App)
SURFiR	Companion Remote Control
T1-B+	Remote Control
T2i	Remote Control
T2x	Remote Control
T3x	Remote Control
RKM-1+	In-Wall Audio Distribution Keypad
RK1+	2-4-8 Button In-Wall Keypad
KX1	1.2 inch Audio Distribution Keypad
KX2	2.8 inch In-Wall Touchpanel Keypad
KX3	3.5 inch In-Wall Touchpanel Keypad
KX7	7 inch In-Wall Touchpanel
KX10	10 inch In-Wall Touchpanel
CX7	7 inch Countertop/Under-Cabinet Touchpanel
CX10	10 inch Countertop/Under-Cabinet Touchpanel



RTI Control Accessories

RP-4	RF Control Processor
XP-3	Advanced Control Processor
XP-6	Advanced Control Processor
XP-8v	Advanced Control Processor
RM433	433MHz RF Antenna
ZM24	2.4GHz Zigbee Transceiver
ZW-9	Z-Wave® Interface Module
CB-8	Touchpanel Connecting Block
CM-232	RS-232 Communication Module
CPB-1	Control Port Connecting Block
ECB-5	IR Connecting Block
ESC-2	Ethernet to Serial Converter
IPE-4	IR Port Expander
PCM-4	Port Control Module
RCM-4	Relay Control Module
vIRsa Mouse	IR Emitter

RTI Audio Distribution

AD-4x	Audio Distribution System
AD-8x	Audio Distribution System
AD-16x	Audio Distribution Matrix Switch
CP-450	4 Channel Cool Power® Amplifier
CP-1650	16 Channel Cool Power® Amplifier



It's Under Control®

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