# XP-6

Model XP-6
Advanced Control Processor

## 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-6
### Control Processor

The XP-6 is the powerful centerpiece of any professionally installed control system, designed to automate and enhance the operation of A/V, security, lighting, HVAC, and countless other devices in a commercial or residential environment. The XP-6 is packed with features to facilitate integration of third-party devices into one seamless and cohesive system, with a variety of communication options such as RS-232, relay, IP, and routable IR control. Additional RTI accessories can be incorporated to allow wireless communication between an RTI remote control and the XP-6, even through walls or cabinets. The processor features built-in support for the RTI 433-MHz receivers for one-way RF communication, or powerful ZigBee® 2.4-GHz transceivers can be incorporated for more sophisticated bi-directional communication between the RTI controller and central processor and supported devices.

## Key Features

- Powerful 32bit, 533MHz CPU.
- 128Mb of non-volatile Flash memory.
- Six multi-purpose I/O ports.
- Three programmable 12VDC trigger outputs.
- Three assignable voltage sense inputs.
- Three programmable relay outputs.
- Two RS-232 ports for bi-directional communication.
- Built-in astronomical clock for time-based events and sleep timers.
- Compatible with all RTI wireless remote controls (when used with RTI RF antennas/Zigbee® transceivers) and In-wall controllers.
- Multi-purpose I/O ports are compatible with industry standard IR emitters, blasters, and repeater systems.
- Input for connection of multiple RF receiver modules.
- Variable IR output on all ports.
- Multi-purpose I/O ports support all optional RTI power sensing and communications modules.
- Programmed using the Integration Designer® Software.
- Non-volatile Flash memory stores your system configuration even when power is not present.
- Fast USB 2.0 and Ethernet programming.
- Field upgradable firmware.

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# Specifications

Power Supply ...............................................................+12V DC, 1A

IR Output Ports...................................................... Six 3.5mm jacks

...............................................Compatible with 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

Trigger Outputs.........................................Three, 12 VDC, 100mA max each

Relays....................................................Three, 5 Amps @ 30 VDC

Sense Inputs......................................................... Three, 3-24VDC

RS-232 Ports ...................................................... Two, Bi-directional RJ45 Connections

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

USB Ports........................................................... One, Programming

RTI Com Port........................................Zigbee® Communication Port, RJ45 Connection

Mounting................................................................ Wall-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) ........................ 10.3" (262mm) x 5.25" (134mm) x 1.5" (38mm)

Weight  ............................................................................... 1 lb. 3 oz. (543g)

Warranty .............................................................. Three Year (Parts & Labor)

All specifications subject to change without notice



*XP-6 Control Processor*

## 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" Audio Distribution Keypad |
| KX2 | 2.8" In-Wall Touchpanel Keypad |
| KX3 | 3.5" In-Wall Touchpanel Keypad |
| KX7 | 7" In-Wall Touchpanel |
| KX10 | 10" In-Wall Touchpanel |
| CX7 | 7" Countertop/Under-Cabinet Touchpanel |
| CX10 | 10" 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/Video Distribution

| | |
|---|---|
| AD-4x | 4x4 Audio Distribution System |
| AD-8x | 8x8 Audio Distribution System |
| AD-16x | 16x16 Audio Distribution Matrix Switch |
| CP-450 | 4 Channel Cool Power® Amplifier |
| CP-1650 | 16 Channel Cool Power® Amplifier |
| VHD-4 | 4x4 HDBT Video Matrix Switch |
| VHD-8 | 8x8 HDBT Video Matrix Switch |
| VHT-1 | HDBT Video Transmitter |
| VHR-1 | HDBT Video Receiver |

RTI

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