XP-8

XP-8 Advanced Control Processor

The XP-8 is a high-end remote control processor for automating the operation of electronic systems in homes and office buildings. The combination of a blazing fast MPU, real time/multitasking operating system, and tremendous expandability make the XP-8 the perfect solution for large-scale and complex projects.

Description

The XP-8 provides an unmatched value with it's powerful features and ease of programmability, offering an advanced level of control typically only found on more expensive processors. The XP-8 offers an abundance of advanced control interface options such as two-way RS-232, routable IR, relay control and Ethernet, ideal for large-scale and more advanced projects. Additionally, the XP-8 incorporates an astronomical clock, allowing for time based events or commands.

Like other RTI processors, the XP-8 has been designed to interface seamlessly with all RTI remote controls and touchpanels. The XP-8 has eight multi-purpose I/O ports that accept standard IR emitters and repeater systems with variable IR output. These multi-purpose ports also support optional video/voltage sensing modules, allowing for expanded integration capabilities. The XP-8 also features eight programmable relay input/outputs, eight sense inputs, eight two-way RS-232 ports and an RS-485 jack for expansion purposes. Unlike simple IR-to-RF converters, the XP-8 creates central storage for all system commands. With these interface and control options, the XP-8 provides an almost unlimited arsenal of control capabilities.

Key Features

- Powerful 32-bit, 200MHz XScale® processor.
- 32MByte of non-volatile Flash memory.
- Front panel controls/display (11 Buttons for front panel control).
- Two USB ports.
- Eight multi-purpose I/O ports.
- Eight programmable relay outputs.
- Eight two-way RS-232 ports.
- Eight sense inputs.
- I/O ports are compatible with industry standard IR emitters, blasters, and repeater systems.
- All output ports incorporate both short-circuit and overload protection.
- Variable IR output on all ports.
- 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.
- Field upgradable firmware.
- USB and Ethernet programming.
- Input for connection of both 433MHz and 2.4GHz Zigbee® RF modules.
- RS-485 communications port for future expansion.
- Astronomical clock built in.
- Rack mountable or free standing.

Call 952-253-3100

www.rticorp.com

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

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

Sense Inputs.. Eight, Analog/Digital/Closure

RS-232 Ports .... Eight, RJ45 Connections

Ethernet Port 10/100Base-T

USB Ports... Two Host, 1 Programming

Expansion Port .... RS-485 / IR / PWR

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

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

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

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

All specifications subject to change without notice

Front view - cover removed
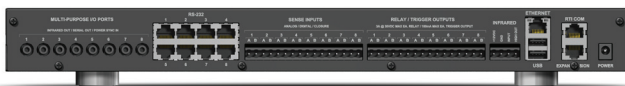
Rear view

Accessories

RM-433	**RF Receiver**
ZM-24	**2.4GHz Zigbee® Transceiver Module**
PCM-8	**Port Control Module**
CB-8	**Touchpanel Connecting Block**
RCM-12	**Relay Control Module**
ECB-5	**IR Emitter Connecting Block**
vIRsa Mouse	**IR Emitter**
CM-232	**RS-232 Communication Module**
VPS-1	**Voltage Power Sensor**
SPS-1	**Video Sync Power Sensor**

Other RTI Products

Virtual Panel	**PC Control Application**
RTiPanel	**Mobile Device Control Application**
T1-B	**Universal System Controller**
M2	**Universal System Controller**
T2-B	**Universal System Controller**
T2-Cs	**Universal System Controller**
T2-C+	**Universal System Controller**
T3-V+	**Universal System Controller**
T4	**Universal System Controller**
ST-7	**Universal System Controller**
U1	**Weather Resistant Controller**
U2	**Weather Resistant Controller**
RKM-1	**In-Wall Multi-Room Audio Keypad**
RK1	**In-Wall Keypad Controller**
RK2	**In-Wall Touchscreen Controller**
RK3-V	**In-Wall Touchscreen Controller**
K4	**In-Wall Touchscreen Controller**
RK-10	**In-Wall Touchscreen Controller**

Integration Designer® Programming Software

RTI

It's Under Control®