

PRESS RELEASE

A matter of control

30 July 2014, Johannesburg: Have you ever wondered what allows various technologies to communicate seamlessly with one another in a home automation system. The answer is a control processor, such as RTI's XP-6 Control Processor from HFX Systems for example.

Ryno Goosen from leading suppliers of high-end AV equipment and installers of home automation and home cinemas, HFX Systems, explains: "The XP-6 is the powerful centrepiece 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."

Essential for unified and flawless operation, Ryno explains that control processors can be labeled as the "brain" of any automation system: "The XP-6 is packed with features to facilitate integration of third-party devices into one seamless and cohesive system - offering a variety of communication options, such as RS-232, relay, IP, and routable IR control."

He says that for added convenience and easy installation, additional RTI accessories can be incorporated to allow for wireless communication between any RTI remote control and the XP-6: "Able to communicate wirelessly, even through solid walls or built-in cabinets, the wireless option is great for installations in existing homes as it minimises the need to chase wires in walls and floors, which seriously reduces costs and installation time."

The XP-6 processor features built-in support for the RTI 433-MHz receivers for one-way RF communication. Alternatively, 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.

Compared to other processors currently on the market, the XP-6 offers unmatched value without compromising on performance. Says Ryno: "The XP-6 is packed with an impressive feature set, which rivals processors at twice the price - it is certainly the wise choice for powerful command of a professionally installed electronic system!"

The processor starts with a variety of options for IR control, offering a high-output port and six addressable multi-purpose IR output ports that accommodate industry standard IR emitters. "These ports can also be used with RTI accessory devices to sense video or voltage, and manage the power status of connected devices," adds Ryno.

For more advanced control, the XP-6 features two dedicated RS-232 ports for bi-directional communication with supported third-party devices such as a music server or security, lighting, and HVAC systems. "This can provide the user with instant feedback from these devices, delivering important information, such as play lists, the status of a security system, climate information, and even weather

forecasts,” explains Ryno.

With its built-in astronomical clock, time-based events can be easily scheduled and used to automate all aspects of the installed environment, including climate, lighting, music, and much more. “Regardless of the complexity of the electronics in the environment, the XP-6 is equipped to put complete command of the entire system at the user’s fingertips,” Ryno concludes.

Key features of RTi’s XP-6 Control Processor:

- 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.

The RTi XP-6 Control Processor retails for R????? from HFX Systems. Visit www.hfxsystems.co.za for more information.

NOTE: Price as at August 2014. E&EO.

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