

## SPECIFICATIONS

### TC-1 ULTRA-MINIATURE AUTOMATION PROCESSOR

**PROCESSOR:** 32bit ARM core

**OPERATING SYSTEM:** Real-time, pre-emptive multi-threaded / multitasking kernel

**ETHERNET:** 10/100BaseT, auto-negotiating, full / half duplex, static IP or DHCP / DNS, auto MDI / MDIX, TCP/IP, UDP

**IR PORTS:** 6 IR ports, each capable of driving at least two IR emitters; 1 built-in IR blaster for line-of-sight IR emission

**I/O PORTS:** 4 user-programmable input or output ports; 0-5V TTL

**RELAY PORTS:** 4 low voltage 24V DC 1A potential-free relays

**SERIAL PORTS:** RS-232 / 422 / 485 user-selectable serial ports with baud rate control from 1200 – 115200bps

**SYSTEM BUS:** Raynet 2.0 port for system expansion

**REAL TIME CLOCK:** Temperature compensated (TCXO) clock for time-based event scheduling

**IR CAPTURE:** Built-in IR learner for learning IR codes from new remote controls in conjunction with the Design Express software

**STATUS INDICATORS:** Front panel LED indicators for all port activities

**BOOT / RESTART TIME:** Quick boot allowing ultra-fast reset within 5 seconds

**POWER SUPPLY:** External DC 15-24V 750mA

**DIMENSIONS:** 250 x 175 x 52 mm (W x H x D)

## TOUCHMATE iOS (iPad App)



- Home / office automation app
- Universal iOS app for controlling Raylogic's range of automation hardware
- Use your iPod Touch / iPhone / iPad to control your audio, video, lighting, air conditioning, curtains, security and more
- Native application with optimised communication packets for ultra-fast, responsive and intuitive operation
- Use our Design Express software to create GUI content and configure the entire automation system with libraries and IR capture
- Fully customisable GUI to customise pages and use icons / logos / branding to add that personal touch
- Easy to use drag and drop software — no more low level coding
- Designed for professional system integrators and AV installers
- Supports 2 way feedback allowing the iOS device to reflect the true state of equipment

## CONTACT

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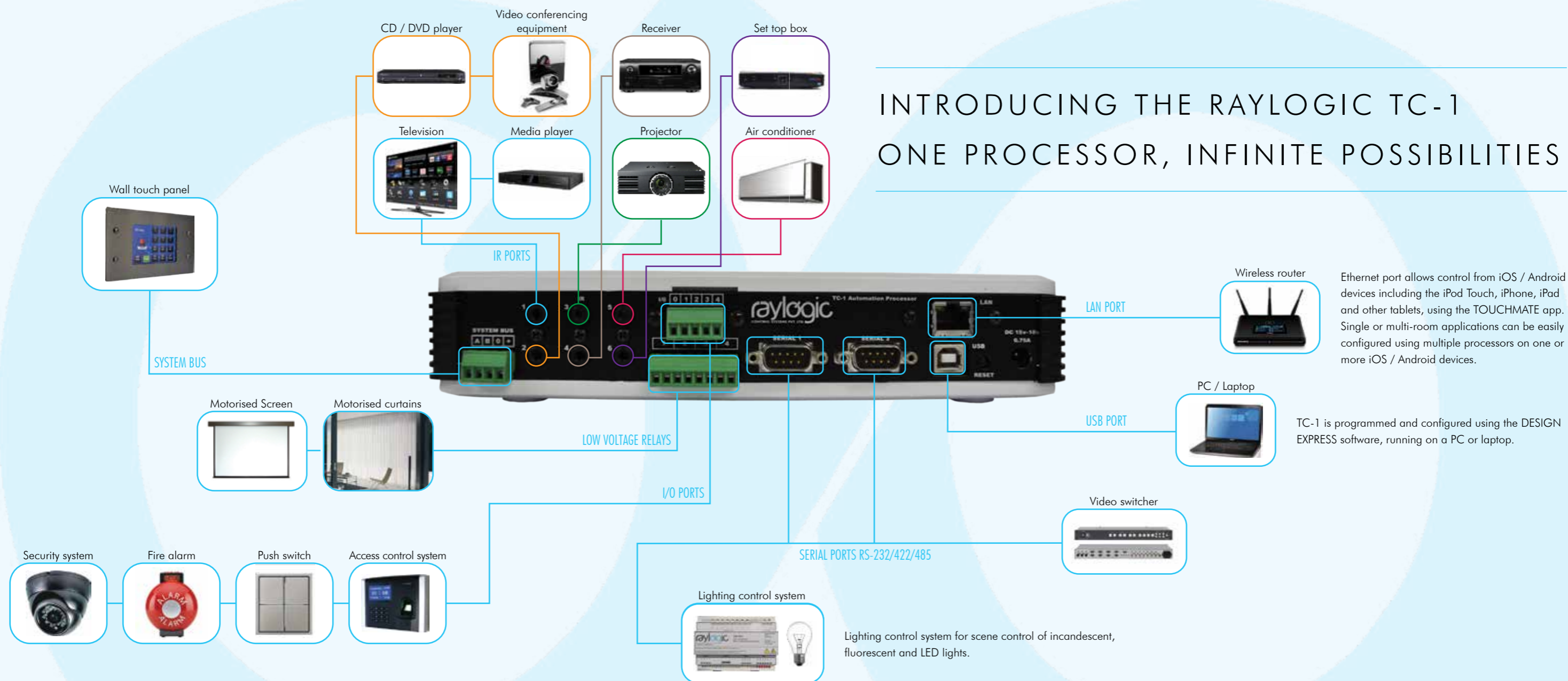
# A WORLD OF CONTROL AT YOUR FINGERTIPS



raylogic<sup>®</sup>  
CONTROL SYSTEMS PVT. LTD.



TC-1 AUTOMATION PROCESSOR



## ADVANCED IR CAPTURE AND EMISSION

Full compatibility with all remote control equipment, including DAIKIN air conditioners, B&O audio systems and more.

## EASY INPUT / OUTPUT INTERFACE

Low voltage port for interface with security systems, fire alarms, access controls, gas detectors and sensors.

## REAL TIME SCHEDULER

High accuracy clock for time-based triggering and scheduling of automation tasks with no manual intervention. Can be configured to schedule your lighting according to seasonal lighting conditions.

## BUILT-IN IR CAPTURE AND BLASTER

Front panel IR capture for learning IR codes of new devices. Front panel IR emitter for direct control of line-of-sight devices, without the need for wires.

## ULTRA-QUICK RESPONSE

Highly optimised low latency system processor. Near instantaneous response without any lag and ultra-quick boot in less than 5 seconds!

