# REX
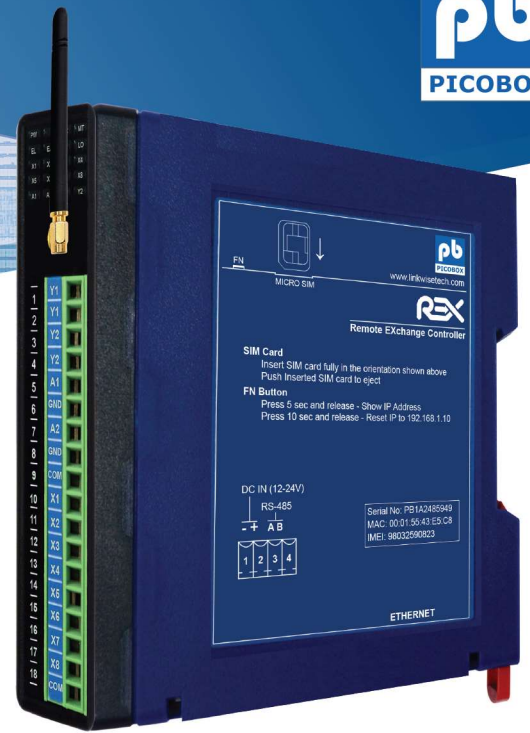## Remote EXchange Controller

## Simple System, Powerful Features, Easy to Deploy

## OVERVIEW

Monitoring and control system today requires real-time performance, remote access and use of mobile technology for anywhere, anytime fault and alarm notifications. This is crucial for an effective and timely management of equipment's, facilities or services.

REX (Remote EXchange Controller) was engineered to do all that and more. It interfaces to any equipment or device to provide SMS alert, wireless monitoring and control. REX is easy to use yet it's packed with powerful features to meet a wide range of industrial and commercial applications.

## FEATURES

- Standalone - Full functionality housed in one small and robust chassis.
- User friendly HTML interface using any web browser
- Event log, FIFO event recording (XML format)
- Remote on/off via logic expression and SMS command.
- 8 protected universal digital inputs (dry contacts)
- 2 digital relay outputs
- 2 analog inputs (4-20 mA)
- Configurable SMS repeat interval
- Remote add/edit/delete of phone number
- Remote query of phone group, input and output status
- Configurable auto-health check SMS

## BENEFITS

- Easy to install, operate and maintain
- Low maintenance
- Low cost of ownership
- 24 x 7 operation
- Dedicated standalone operation
- No external PC or external application software required
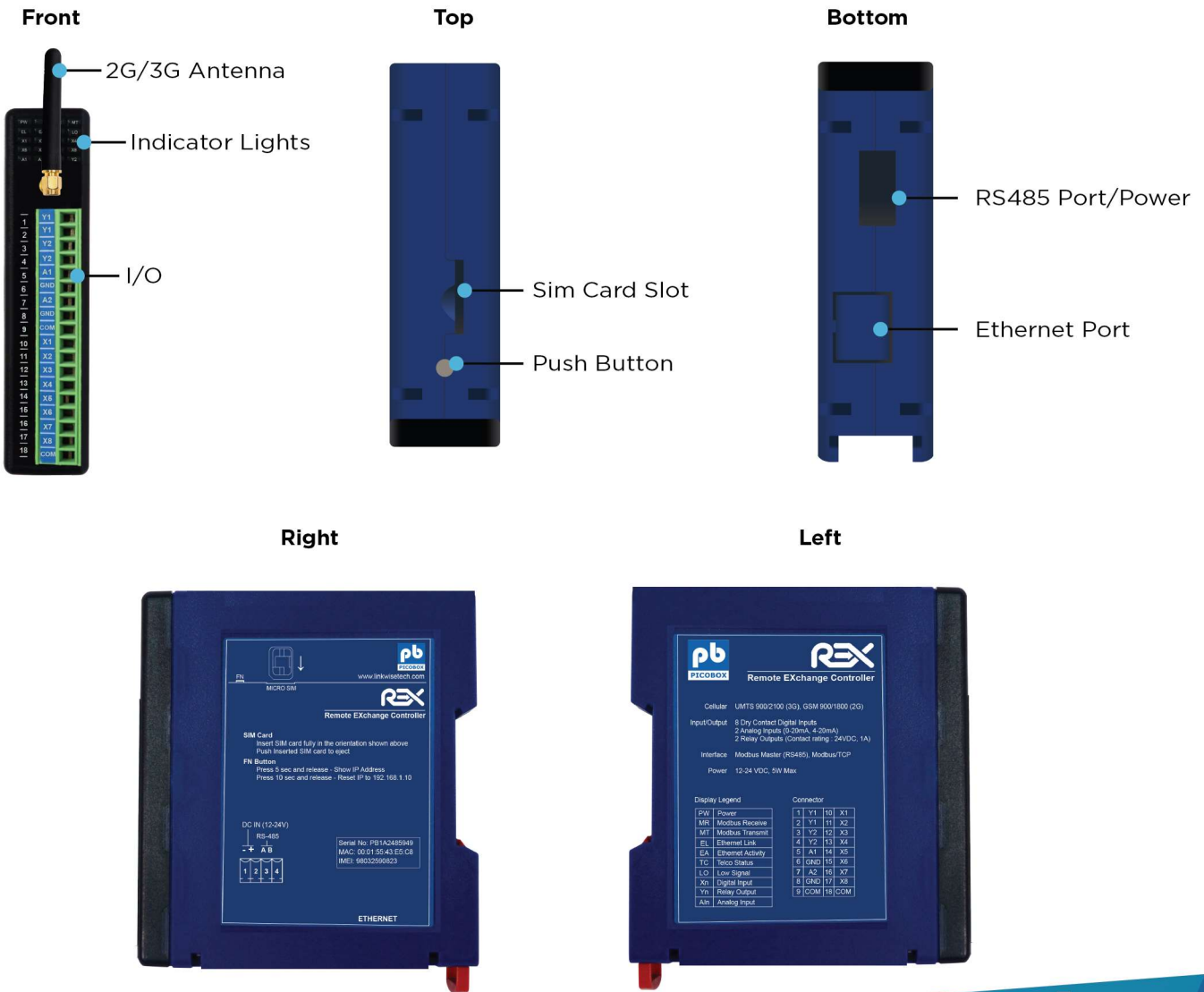- Open standards protocol, easy for external application interface

## APPLICATIONS

- Data Centre
- Manufacturing Process
- Telecommunication
- Fire and Security
- Facility Management
- Energy Efficiency and Power Management
- Environmental
- M&E Facility Management

# SPECIFICATIONS

| | |
|---|---|
| **Operating Voltage** | : 9 to 30V DC, 2W max power consumption |
| **No. of Inputs** | : 8 digital protected inputs, volt free/dry contact |
| **No. of Outputs** | : 2 relay outputs, contact rated at 24VDC, 1A max |
| **No. of Analog Points** | : 2 analog inputs, 4-20mA |
| **Logic Expression** | : Boolean expression for automatic output control |
| **Communication Port** | : 1 x RJ45 port, Ethernet 10/100Mbit, RS485 Port |
| **GSM Modem** | : Quad band GSM 850/900/1800/1900MHz |
| **Configurable Mobile No.** | : Up to 10 mobile phones (accept international phone number format and support auto-roaming) |
| **Remote Setting** | : Remotely add, change, delete mobile number via SMS (authorization required) |
| **Remote Control** | : Remotely turn ON/OFF/PULSE devices using SMS command. |
| **Configurable SMS** | : User configurable for all input and output messages |
| **Forwarding** | : Forwarding of events to a specified number for remote logging purpose |

| | |
|---|---|
| **Humidity** | : 0-90% non condensing |
| **Operating temperature** | : 0-55 degree Celsius |
| **Weight & Physical size** | : 200g / 70 (L) x 38 (H) x 100 (D) mm |
| **Security Features** | : Password protected and phone number check |
| **Real Time Clock** | : Date time with battery backup |
| **System Health Check** | : Remote health check features via SMS |
| **I/O Status** | : Remore I/O query via SMS |
| **Indicators** | : Power, Telco network, Signal Low LEDs |
| **Repeat SMS Alarms** | : User configurable |
| **Mounting** | : Industrial standard ABS housing with Din rail mounting, pluggable 5mm screw terminal block |
| **Auto Health Check** | : YES |
| **Event Logging** | : FIFO event recording exportable to XML format |
| **Network Protocol** | : TCP (Transmission Control Protocol) IP (Internet Protocol) HTTP (Hyper Text Transfer Protocol) |

# PHYSICAL LAYOUT

**Front**



- 2G/3G Antenna
- Indicator Lights
- I/O

**Top**



- Sim Card Slot
- Push Button

**Bottom**



- RS485 Port/Power
- Ethernet Port

**Right**



**Left**