ekoBOX EMS Controller

Key Features

Data Points Monitoring

Low Level Interface

Modbus RTU/TCP Interface

Data Logging

3D Graphics

Mobile Apps

EkoBOX is an integrated Environmetal Montoring System (EMS) for small data centers. It is a WEB based system with built in SMS and Email alarm notifications.

Data Points Monitoring

EkoBOX internally monitors 64 data points and can be expanded to 128 data points. Each data point is constantly evaluated for high and low alarms and pre-alarms. Once an alarm condition is detected, the system generates notifications to the users. All alarms are archived for years.

Low Level Interface

EkoBOX supports all types of low level interfaces through MB16 I/O expansion boards.

Modbus Interface

Each ekoBOX comes with a built-in Modbus port. Both Modbus RTU and Modbus TCP are supported. Most leading data center equipment are supported, including DPM, UPS, CRAC and power strips amongst others.

Mobile Application

EkoBOX supports mobile applications on IOS and Andriod platforms.

Data Logging

EkoBOX supports logging for any data point for trending purposes. The logging interval can be individually configured for each point from 1 to 60 minutes. Logged data can be accessed via the Web or backup into memory cards or USB drives. EkoBOX have built 10GB or storage space and data can be archived for years

Ethernet/Wifi Connectivity

EkoBOX have built in Ethernet and Wifi port for Web Access

Specifications

Hardware

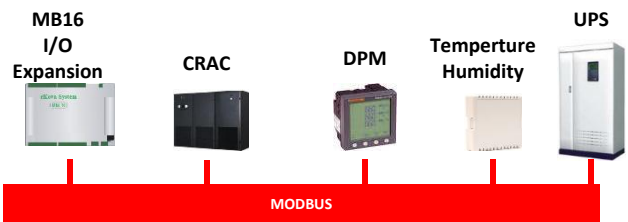|	
Memory	10GBytes
Data Points	64/128 data points
Real Time Clock	High Accuracy, Battery Backed
Logging	100M points and Alarms
System Access	Web Access. Limit to 50 concurrent users Optional - Mobile App
Graphics	Customisable 3D
Reports	Alarms, Trending, Power Reports, PUE

Communications

Network	100/1000 Ethernet Modbus TCP/IP Built in Wifi 802.11 b/g/n Built in GSM modem for SMS
Serial Port	1 x Modbus RTU

General

Operating Temperature	-20 to 50°C
Storage Temperature	-20 to 50°C
Power Supply Voltage	12VDC
Power Consumption	18W
Dimensions	120x120x24mm

WEB VIEW

MB16 I/O Expansion   CRAC   DPM   Temperture Humidity   UPS

MODBUS

ekoBOX

Web Browser

Internet

Mobile App

ETHERNET/INTERNET