

ENERGY MANAGEMENT SYSTEM

Data Sheet

Rish EMS



RishEMS
A Complete Solution for Energy Management



Application

Rish EMS (Energy Management System) is an ideal energy management solution for industries, manufacturing plants, shopping malls, commercial buildings or any situation where high amount of electricity is consumed. It helps to enhance your energy conservation and utility management efforts by regularly polling the data from Rishabh Multi Function Meters on a RS 485 serial communication system using MODBUS. The data is collected on one centralized computer (Master PC) from where it can be accessed remotely through LAN connection.

Features

- Plug & Play enterprise level SCADA product
- Multi user login, password protection for data Acquisition
- Online monitoring(MATRIX) of all the feeders
- Auto mailing facility of generated reports
- Fast data scan, 256 meters polled within 30 seconds
- MIMICS format for all the feeders
- Online monitoring of Single Line Diagram
- Advance on-line alarm if the value is about to exceed set maximum & minimum limit
- Auto – backup feature for future data reference
- TOD (Time of Day) report with programmable tariffs
- Remote customer support
- Reports in different formats i.e. PDF, Excel, WORD, TEXT, etc.
- Customized Screen and Reports.

Benefits

- Improves data accuracy by eliminating human errors in data collection
- History analysis for a set period – History log view
- Reduces demand cost – Demand optimization
- Helps in analysis of energy balance
- Helps to monitor and reduce specific energy consumption
- Measurement of power distribution loss
- Monitoring of power quality and THD
- Helps in preventive maintenance

Report Generated

- Hourly Consumption Report
- Daily shift wise Consumption Report
- Daily shift wise Power Interruption Report
- Daily shift wise Log Report
- Daily shift wise Demand Report
- Day to Day Consumption Report
- Specific Energy Consumption Report
- Transmission & Distribution Losses Report
- TOD (Time Of Day) Report
- Energy Bill for Individual feeder/Office/Plant
- Customized reports as per customer requirement

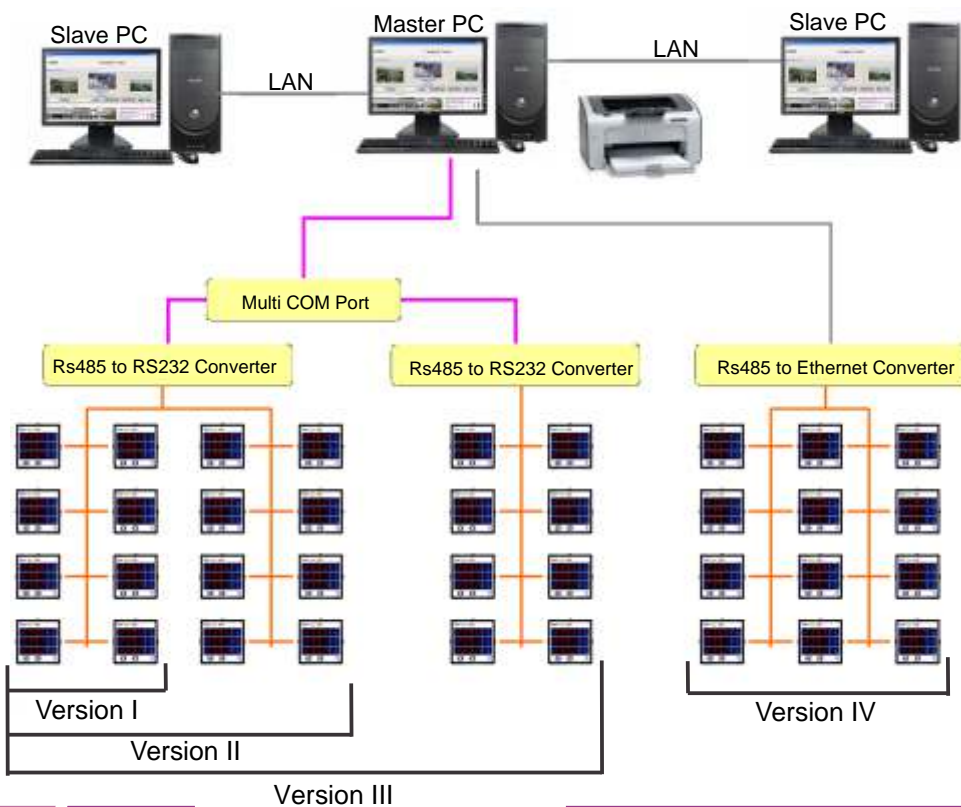
PC Requirement - Dedicated PC is recommended with the following configuration.

- 1) Processor - Pentium IV (3 GHz or above)
- 2) RAM - 1 GB or above recommended
- 3) Hard Disk - 160GB or above recommended
- 4) Monitor - 17" Monitor with 1024x768 resolutions
- 5) Serial Ports - More than 1 (Depending on the version)
- 6) PCI Slot - More than 1 (Depending on the version)
- 7) CD-ROM - 48X or Better
- 8) Operating System - Licensed Windows XP with Service Pack 2 or above OR Licensed Windows Vista MS office 2000 or above recommended.

Compatible Rishabh Multi-Function Meter

Rish Master 34XX Series
 Rish EM 3490 SS (Single Source)
 Rish EM 3490 DS (Dual Source)
 Rish Integra 1540 32
 Rish Integra 2000 100+

Communication Diagram



- Version I : 1 to 15 meters
- Version II : 16 to 31 meters
- Version III : Muti COM port
- Version IV : LAN based



RISHABH INSTRUMENTS
 Measure, Control & Record with a Difference

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