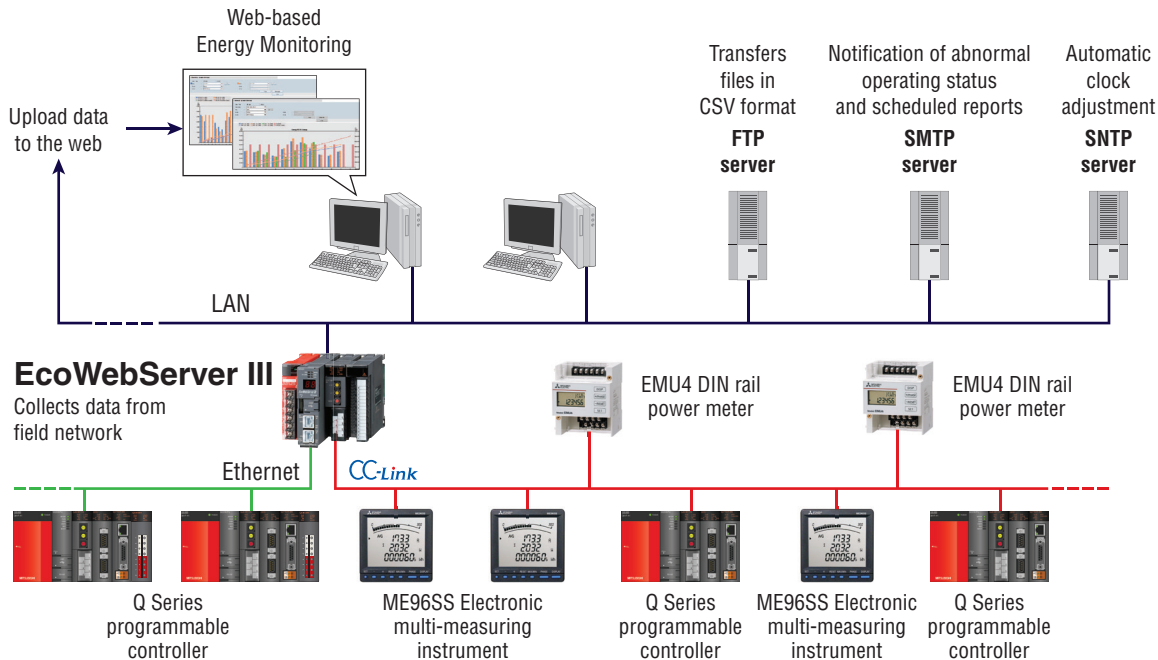# EcoWebServer III

Product Overview

EcoWebServer III is an industrial platform for collecting energy metering data as well as production data over Ethernet and CC-Link network. EcoWebServer III has made energy management easy with its GUI setup and built-in web server for displaying historical energy bar graphs, trends, real-time analysis from off-the-shelf product. EcoWebServer III can be a dedicated resource for collecting energy data from a department, production line, or facility. EcoWebServer III also acts as energy data concentrator to serve data to PC based energy information software such as AX Energy for KPIs/Dashboards and advance reporting

KEY BENEFITS:

- GUI configuration setup
- Web page visualization with energy aggregation on hourly, daily, or monthly bar graphs
- Email notification of alarm events
- Scheduled CSV file transfer via FTP
- Easy configuration to Mitsubishi power meter hardware on the CC-Link network
- Support for non-electrical meters, i.e. water, gas, steam, compressed air, temperature, PSI and production
- Manage energy by user defined groups
- Built-in bar graph analysis and energy targeting tools
- On-board storage for energy data collection
- Energy-to-production correlation

ECOWEBSERVER ARCHITECTURE

Web-based Energy Monitoring

Transfers files in CSV format
FTP server

Notification of abnormal operating status and scheduled reports
SMTP server

Automatic clock adjustment
SNTP server

Upload data to the web

LAN

EcoWebServer III
Collects data from field network

EMU4 DIN rail power meter

EMU4 DIN rail power meter

Ethernet   CC-Link

Q Series programmable controller

ME96SS Electronic multi-measuring instrument

Q Series programmable controller

ME96SS Electronic multi-measuring instrument

Q Series programmable controller

FREQUENTLY ASKED QUESTIONS

- How is EcoWebServer configured?

EcoWebServer is configured through GUI software which is shipped with the hardware. Power meters on a CC-Link network provide premier integration with a simple click and pick of data points. Energy bar graphs and other analytics can be accessed over the product web page.

- What are the data limitations for on board storage?

EcoWebServer keeps the most recent data

1 minute data: 14 days

- 5 minute data: 62 days
- 30 minutes data: 186 days
- 1 day aggregated energy data: 60 months
- 1 month aggregated energy data: 5 years

A maximum 255 measuring energy data points can be logged, as well as 128 virtual metering points. Up to 42 power meters are supported over CC-Link network.

- Can data be exported from EcoWebServer?

EcoWebServer automatically generates csv file that are accessible through the product web page. It can also push CSV file through FTP.

- What type of visualization and alarm functions does EcoWebServer support?

EcoWebServer automatically generates bar graphs for comparing the same energy data point over time, or for comparing multiple data points on same time scale. EcoWebServer also has targeting function and is capable of e-mail notification for alarm conditions.

- Can EcoWebServer log non-electrical data?

EcoWebServer can log flow rate and usage for electric, compressed air, water, gas, steam, pressure, temperature, production count and other miscellaneous data from Mitsubishi's L Series and Q Series PLCs over an Ethernet or CC-Link network. Production-to-energy correlation and virtual measuring points are also among the built-in features. Simple arithmetic expressions can be performed to PLCs or power meter data points to derive virtual measuring points.