Energy Data Collection Web Server: EcoWebServer III

EcoWebServer allows you to view energy data in web browser thus eliminating the need for a server and managing activities.
It's based on iQ platform which interacts with Mitsubishi Energy Monitoring Hardware over Ethernet, CC-Link.

Software Specifications

Item			Specification	
Recommended Operating Environment	OS		Microsoft Windows®XP Professional SP3, Windows® 7 Professional SP1, Windows® Vista Business SP2 32bit/64bit	
	Browser		Internet Explorer® 7/8/9	
	JavaVM		Oracle JRE (JDK) Ver. 6	
No. of Measuring Points	Total Measuring Points		255 (including a max. of 32 operation monitoring points)	
	Virtual Measuring Points		128	
	Specific Consumption Measuring Points		64	
	Equipment Points		42	
Logging Functions	Zoom/Daily/Monthly/Annual		Collect data for: every minute, 5 minutes, every hour or 30 minutes, a specified hour once a day, a specified hour on a specified day every month	
Computation Functions	Daily	Virtual Measuring Points	Basic arithmetic operations for up to 16 operands with parentheses	Computes the data collected for every hour or 30 minutes
		Specific Consumption Measuring Points	Divides the energy consumed by production quantity (specify measuring points or virtual measuring points)	
	Monthly	Virtual Measuring Points	Basic arithmetic operations for up to 16 operands with parentheses	Computes the data collected for the specified hour once a day
Storage Functions	Zoom/Daily/Monthly/Annual		Data for 62d/186d/60mo/5yr	
	Specific Consumption Measuring Points		Data for 186d (daily only)	
	Virtual Measuring Points		Data for 186d (daily) / 60mo (monthly)	Stores data on a CompactFlash memory card
	Operation History		Records the operation monitoring input on/off switching data for each operation monitoring point (64KB × 4 × No. of operation monitoring points)	
Forwarding Function	Zoom/Daily/Monthly		Forwards hourly/daily data once every hour, and monthly data at the specified time once every day	Automatically forwards data to the specified FTP server
Display Functions	Zoom	Power/No. of Pulses	Bar graph: Consumption for every minute	Displays the data for the hour before and after each minute; Simultaneously displays data for two days or two measuring points
		Analog Value	Line graph: Measurement value	
		Analog Value (Power Factor)	Line graph: Measurement value	Simultaneously displays the data for two days for the hour before and after each minute
	Daily	Virtual Measuring Points for Power/No. of Pulses	Bar graph: Consumption for every minute Line graph: Cumulative value for the specific consumption and energy use for every hour or 30 minutes.	Displays the daily data for every hour or 30 minutes; Simultaneously displays the data for two days or for two measuring points
		Analog Value	Line graph: Measurement value	
		Analog Value (Power Factor)	Line graph: Measurement value	Simultaneously displays the data for two days for every hour or 30 minutes
		Combined	Up to 10 measurement items can be selected for display; Up to 32 combined graphs can be created	
		Equipment	Bar graph: Consumption for every hour or 30 minutes	Displays the data for every hour or 30 minutes for the specified day
		Specific Consumption	Bar graph: Production quantity and energy consumed for every hour or 30 minutes	Simultaneously displays the data for two days for every hour or 30 minutes
	Weekly	Specific Consumption	Line graph: Cumulative value for the specific consumption and energy consumed for every hour or 30 minutes	Simultaneously displays the data for seven days for every hour or 30 minutes
	Monthly	Virtual Measuring Points for Power/No. of Pulses	Bar graph: Consumption for every day Line graph: Cumulative value for consumption, and daily cumulative planned value	Displays the data for every day for one month, and simultaneously displays the data for two months or two measuring points
	Annual	Power/No. of Pulses	Bar graph: Consumption and planned values for every month; Line graph: Cumulative consumption and planned values	Displays data for every month for one year. Simultaneously displays data for five years or two measuring points
	Present Values (Group)		Displays the present values for measuring points registered in a group (up to 32 groups and up to 255 points per group) as a cumulative value or the difference from the previous hour, day or month. Displays up to 10 measuring points per screen	
	Present Values (Optional)		Displays the present values for measuring points added to up to 10 display list files as a cumulative value or the difference from the previous hour, day, or month. Displays up to 10 measuring points per screen	
Monitoring Functions	Email Notification	Errors	Server start-up (reset), CompactFlash memory card read/write errors, measurement errors, file transfer errors, automatic time adjustment errors, and battery errors	
		Upper/Lower Limits	Issues alarm for values more/less than upper/lower limits at up to 32 measuring points (analog values)	
		Planned Energy Values	Monitors actual daily values and compares them to up to 255 preset planned energy values (monthly)	
		Specific Consumption Target Values	Monitors actual hourly values for up to 64 preset specific consumption target values	
		Operation	Monitors status changes at up to 32 operation monitoring points	
		Periodic Notification	Sends up to eight kinds of messages once every day, week or month; each message can be set to be sent at a specified time or to a specific address	
	Contact Output	Errors	Server startup (reset), CompactFlash memory card read/write errors, measurement errors, file transfer errors, automatic time adjustment errors, and battery errors	
		Upper/Lower Limits	Issues alarm for values more/less upper/lower limits at up to 32 measuring points (analog values)	
		Planned Energy Values	Monitors actual daily values for up to 255 preset planned energy values (monthly)	
		Specific Consumption Target Values	Monitors actual hourly values for up to 64 preset specific consumption target values	
		Operation	Linked to the status of up to 32 operation monitoring points	
Maintenance Functions	Planned/Target Value Setting		Sets the monthly planned energy values and specific consumption target values for the calendar or fiscal year	
	Time Setting		Reads and sets the current data and time	
	IP Address Setting		Sets the IP address, subnet mask, gateway address, and DNS address (up to three)	