Panasonic
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FP Web-Server

FP Web-Server and Expansion Unit
FPWEB2 & FPWEBEXP

The FP Web-Server enables a Panasonic PLC to communicate via Internet, Intranet, Ethernet or modem. This makes it simple to communicate to an FP-series PLC using the local Ethernet network or WAN.

For use with Internet or Intranet (Ethernet LAN or WAN)
The PLC connects to the FP Web-Server via RS232C (or USB/RS485 using the FP Web expansion unit) and MEWTOCOL; the FP Web-Server uses an Ethernet (10Base-T / 100Base-TX) connection to access the TCP/IP network

Use for dialing up a network
The PLC is connected via RS232C and MEWTOCOL to the FP Web-Server. A modem is connected to the FP Web-Server's second RS232C port. The modem can be reached from a normal telephone network. The modem can also be used to dial up the Internet and send e-mails via an Internet server.

Combinations: LAN plus dial-up gateway
Each of these combinations for LAN or dial-up is possible. For example, an Ethernet network can be used to connect several FP Web-Servers, and another FP Web-Server can be configured as a gateway for dial-up connections and to send e-mails using Web mail services.

Features

- Web-Server:
  - Display PLC data on HTML or XML pages
  - Access via standard Internet browser or smart-phone
  - Modify PLC data via HTML input fields or Java Applets

- E-mail:
  - PLC can send e-mails
  - E-mail via LAN, e-mail server or Web mail
  - E-mail text, predefined or PLC-defined
  - PLC data array as e-mail attachment
  - Data saved on SD memory card as attachment

- Ethernet <-> RS232C Conversation (MEWTOCOL)

- Transparent RS232C data circuit via Ethernet

- Programming and visualization access via TCP or UDP

- Dial-up via modem (dial-up networking):
  - A modem can dial up the FP Web-Server
  - One remote gateway for multiple FP Web-Servers in a local network

- Internet dial-up via modem:
  - The FP Web-Server can establish an Internet connection (and stay online)
  - Various wireless communication methods via GPRS supported

- Modbus-TCP protocol:
  - Communication using industrial Ethernet standard protocol (server and client)
  - Gateway for Modbus RTU stations (master and slave)

- IEC 60870-5-101 and IEC 60870-5-104 protocol:
  - Communication via RS232C, RS485 adapter, leased-line modem, PSTN modem or Ethernet

- Time synchronization using network server:
  - Update of the PLC real-time clock using NTP server

- SNMPv1 agent:
  - Data exchange with SNMP management system

- FTP client:
  - Current or logged data can be sent to a remote FTP server

- Data logger:
  - Logging of PLC data and saving it on an SD memory card or transmitting it via FTP (only possible when FPWEBEXP is attached)

Specifications

Item	FP Web-Server		FP Web Expansion
Current consumption:	65mA		Additional 20mA on FP Web-Server
Operating voltage:	24V DC (10.8 – 26V DC)		Internally powered by FP-WEB2
Communication port:	RS232C to connect to the PLC,RS232C to connect to a modem, 100Base-TX/10Base-T Ethernet		USB host port (supports GT series and FP-X PLCs), RS485
Storage space:	Built-in Flash ROM		SD/SDHC card slot
Data logging:	Via FP Web Expansion		Logging on SD/SDHC Card
Digital output:	Via FP Web Expansion		High speed photo coupler
Communication protocols:	MEWTOCOL, DNS, HTTP, HTTPS, SMTP, FTP, TELNET, TCP/IP, UDP/IP, PPP, SNTP, Modbus RTU, Modbus-TCP, SNMPv1, IEC 60870-5-101, IEC 60870-5-104		
Security:	Password protection, IP lock		
Ambient temperature:	0°C to +55°C		
Storage temperature:	-20°C to +70°C		
Dimensions:	25 W x 90 H x 60 D (mm)		
Weight:	0.11kg		0.07kg
Part number:	FPWEB2		FPWEBEXP
Software	FP Web Configurator	IEC60870LIS-license for FPWEB2	FP Web Designer
Part number	FPWEBTOOL2D	IEC60870LIS	AFPS36510-E

You can find further information on our homepage: www.panasonic-electric-works.com