

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 establish communication to an FP-series PLC using the local Ethernet network or WAN.



For use with Internet or Intranet (Ethernet LAN or WAN)

The PLC is connected via RS232C and MEWTOCOL to the FP Web-Server. The FP Web-Server can access the TCP/IP network via Ethernet (10Base-T/100Base-TX).

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 stander 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 Wandlung (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:
 - Correction of the PLC real-time clock using NTP server
- SNMPv1 agent:
 - Data exchange using 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 FP-WEBEXP is attached)

Specifications

Item	FP Web-Server	FP Web Expansion
Current consumption:	65mA	20mA
Operating voltage:	24VDC (10.8 – 26VDC)	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 (für die GT Serie und FP-X PLCs), RS485
Data storage medium	Built-in Flash ROM	SD/SDHC card
Data logging:	Via FP Web Expansion	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, SNMP, 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
Part number	FPWEBTOOL2D	IEC60870LIS
		FP Web Designer
		AFPS36510-E