



Specifications:

Current consumption:	65 mA
Operating voltage:	24V DC (10.8 – 26.4V DC)
Communication interfaces:	RS232C for connection to a PLC, RS232C for modem connection, 100Base-TX / 10Base-T Ethernet
Communication protocol:	MEWTOCOL, DNS, HTTP, HTTPS, SMTP, FTP TELNET, TCP/IP, UDP/IP, PPP, SNMP, Modbus
Safety:	Passwords, IP lock
Ambient temp.:	0°C to +55°C
Storage temp.:	-20°C to +70°C
Dimensions:	25 W x 90 H x 60 D (mm)
Weight:	0.11 kg

The FP Web-Server makes it possible to connect a Panasonic PLC to the Intranet or Internet via Ethernet or a modem. It works as an interface between an Ethernet LAN or WAN network and any FP-Series PLC.

Highlights:

- Web-Server:
 - PLC data presented as HTML (or XML) pages
 - Access via standard Internet browser
 - PLC data handling via HTML and Java Applet
 - Optional: Password protection, IP lock security
- Email:
 - PLC can send emails
 - Email via LAN email server or Internet dial-up
 - PLC-defined or pre-stored email text
 - PLC data array as attachment to an email
- RS232C device server:
 - Ethernet <-> RS232C conversion (MEWTOCOL)
 - Transparent RS232C data tunnelling via Ethernet
 - Programming and visualisation via TCP or UDP
- Modem dial-in / Ethernet gateway:
 - FP Web-Server can be dialled up via modem
 - One remote gateway for multiple FP Web-Servers
- Modem dial-out / Internet system:
 - FP Web-Server can dial-out to the Internet (and stay online)
 - Various Internet / GPRS system solutions available
- Modbus-TCP protocol:
 - Communication via standard industrial Ethernet protocol (server and client)
 - Gateway for Modbus-RTU units (master and slave)
- IEC 60870-5-101 and IEC 60870-5-104 protocol:
 - Communication via RS232C, RS485 adapter, multipoint modem, dial-up modem, Ethernet
- Network time server synchronisation:
 - PLC real-time clock update via NTP server



Configuration Software: FP Web Configurator Tool

Our Windows-based programme helps you easily set up and configure the FP Web-Server, e.g.:

- Automatic integration of PLC data into HTML pages
- Preparation of pre-stored email addresses and texts
- Internet dial-up and email server settings
- TCP/IP address and parameter changes
- Passwords and security setup
- IEC 60870-5 parameters and modem settings
- Configuration of different functions

Using the Internet or Intranet (Ethernet LAN or WAN)

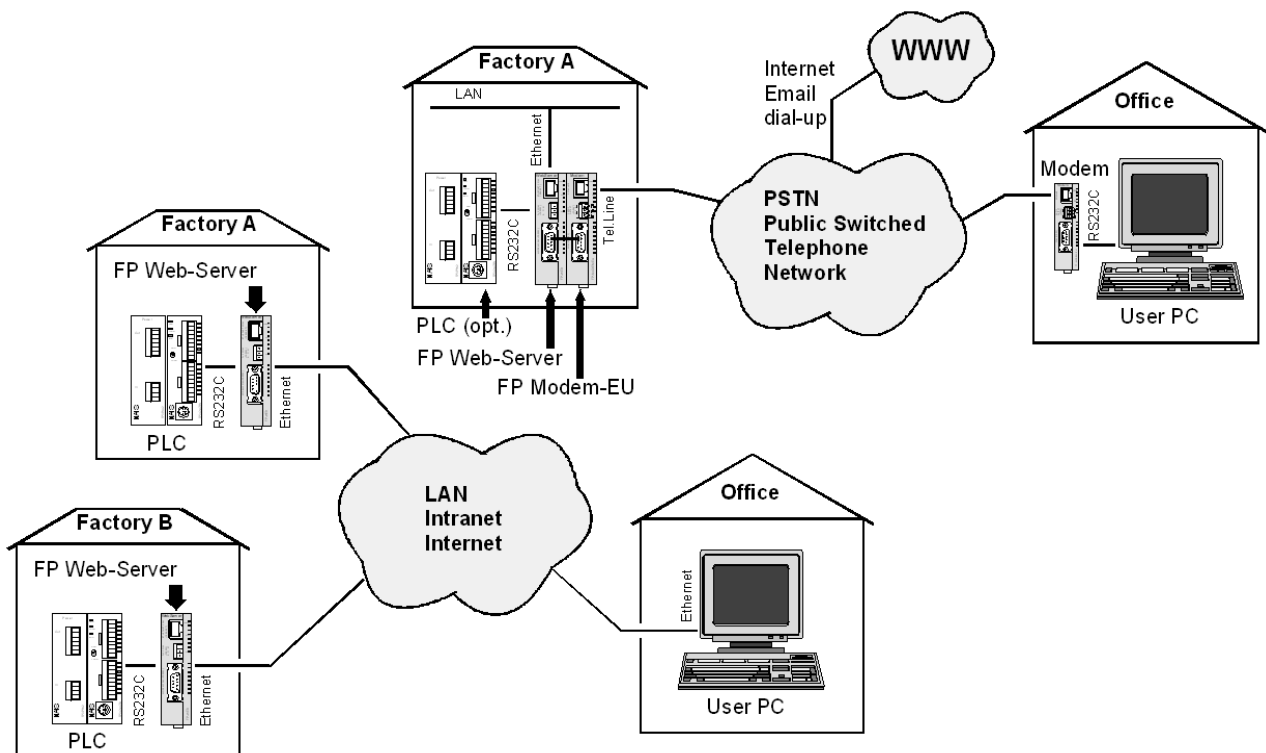
The PLC connects to the FP Web-Server via RS232C and MEWTOCOL; the FP Web-Server uses an Ethernet (10Base-T / 100Base-TX) connection to access the TCP/IP network.

Using a Dial-up Network

The PLC connects to the FP Web-Server via RS232C and MEWTOCOL. A modem is connected to the second RS232C of the FP Web-Server. The modem can be dialled up via telephone line. The modem can also be used for Internet dial-up and to send emails via an Internet email server.

Combinations: LAN plus Dial-up Gateway

Any combination of the above LAN and dial-up concepts is possible, e.g. an Ethernet network connecting several FP Web-Servers and an additional FP Web-Server initialised as a gateway for dial-up connections and to send emails via Internet dial-up.



Application Examples:

- Visualisation and remote control via HTTP:
PLC data can be presented as HTML pages
- FPWIN remote programming via TCP/IP:
Programming and monitoring access via Ethernet
- Alarm sending via email:
Predefined alarm messages can be sent to a user (optional via Internet dial-up)

Ordering Information:

Item:

Hardware:

FP Web-Server2 Unit

Software:

Configurator for FP-WEB and FP-WEB2

FP WEB Configurator Tool Ver. 2.2

Licence to upgrade a FP WEB-server to

IEC60870 communicator with FPWEBTOOL2

Order-No:

FPWEB2

FPWEBTOOL2

IEC60870LIS