## **Panasonic**

# **Operating Instruction**

MEW01082

Revision -

# OPC512 V2.5.x for Web-server II, 1598

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### Introduction

1

The OPC (Openness, **P**roductivity & Collaboration<sup>1</sup>) in System 512 will consist of three major parts:

- EBL512 fire alarm system
- Web-server II 1598
- FP OPC Server.



The FP OPC Server is a Panasonic software that runs on a PC or a server. The Web-server II 1598 (with software OPC512) is a gateway between the fire alarm system and the FP OPC Server. The OPC clients are communicating with the FP OPC Server via an interface described in this document.

The Web-server II 1598 can communicate with the FP OPC Server via either a serial port or via TCP/IP over Ethernet.

The configuration and download of the OPC515 software to the Webserver II 1598 is made via the Windows program OPC512 II Config Tool.

This document describes the procedure of how to do the configuration and download of the software OPC512 V2.5.x to the Web-server II 1598.

The document also describes how to configure the FP OPC Server to communicate properly with the Web-server II 1598.

<sup>&</sup>lt;sup>1</sup> Originally OPC stood for OLE for Process Control.

#### 2

## **Configuration of Web-server II 1598**

The following properties has to be defined for the Web-server II 1598.

- TCP/IP configuration.
  - IP number
  - o Netmask
  - Gateway
- FTP settings.
  - FTP user name (default is 'ftp')
  - FTP password (default is also 'ftp')
- Telnet enabled or not. If enabled user/pwd is 'tel'/'tel'. There is no reason to have this enabled in normal circumstances, but it could be useful if one has to troubleshoot the setup.
- Type of connection to the PC with the FP OPC server. We support connection via either TCP/IP, or via the 2<sup>nd</sup> RS232 (modem com) port on the Web-server II 1598.
  - For TCP/IP a port has to be entered, and together with the Web-server II 1598 IP nr, this defines the way for the FP OPC server to connect to Web-server II 1598. It is recommended to avoid well known service ports, for example port 80 (the HTTP protocol).
  - For the serial connecton one must select transmission speed (bits per second), parity, byte size (Data bits) and stop bits. The same settings should ofcourse be set in the FP OPC server.

When started, the OPC512 II Config Tool show its' main window.

CP/IP settings for webserver 1598	Type of connection	to PC (OPC serve
IP nr:	● TCP/IP ◎	Serial (EIA232)
Netmask	Serial connection to	PC (OPC server)
	Bits per second:	38400 -
	Data bits:	8 -
Gateway:	Parity:	Even *
		-
'P and Telnet settings for webserver 15	98 TCP/IP connection Port to listen to (1	to PC (OPC serve -32767):
TP and Telnet settings for webserver 15 FTP user name: FTP password:	98 TCP/IP connection Port to listen to (1 Download	to PC (OPC serve -32767):
TP and Telnet settings for webserver 15 FTP user name: FTP password: Confirm FTP password:	98 TCP/IP connection Port to listen to (1 Download	to PC (OPC serve -32767):
TP and Telnet settings for webserver 15 FTP user name: FTP password: Confirm FTP password:	98 - TCP/IP connection Port to listen to (1 Download	to PC (OPC serve

To download the above settings, as well as the application software to a webserver, click the button 'Download...' to bring up the download dialog.

🖳 OPC512 II	Config Tool 2.5 - Do	wnload	
FTP Logon			
IP address	10.254.69.220	Usemame	
		Password	
Developed	-		
Download			

The IP address and ftp username/password that should be entered here, are those that the Web-server II 1598 *currently has*, as opposed

to those explained above which is the settings the webserver will have *after download and restart*.

After download the Web-server II 1598 should be reset by power down / power up.

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## **Configuration of FP OPC Server**

This section describes the settings that are required in the FP OPC Server. For more information about these settings see the help for the FP OPC Server.

The first thing to do after the FP OPC Server has been installed is to disable FP OPC Server monitoring via ToolslOptions.

Ξ	General Settings		ОК
	Default project		
	Save formatted XML	True	Cancel
	Minimum server poll rate (ms)	100	
	Verbose Level Settings		
	Ask before an element is deleted	True	
	Ask before a client is disconnected	True	
	Import Settings		
	Add new Tags from the import file	True	
	Delete Tags not available in the import file	True	
3	Event Log Settings		
Ð	Enable event message logging	False	
	Log file path	C:\Users\Malmt	
	Maximum number of events to log (lines)	1000	
	Message level	Level 2 (show Er	
	Enable OPC subsystem message logging	True	
	Enable debug message logging	True	
Ð	Client Interaction Settings	°	
	Namespaces		
	Enable static namespace	True	
	Enable system status namespace	True	
	Enable MEWTOCOL compatibility namespace	False	
	Client shutdown timeout (s)	10	
	Ignore 'real' server response time in client update.	True	
3	I/O Settings		
	Enable MEWTOCOL monitor commands	False 💌	
Er Di Se	nable MEWTOCOL monitor commands isable this option if a second application, besides the erver, also uses MEWTOCOL monitor commands to om the PLC.	ne FP OPC o retrieve data	

Make sure the 'Enable MEWTOCOL monitor commands' setting is set to False.

The next thing is to configure the communication settings. The dialog for communication settings is displayed by right-clicking the channel, select properties and click the 'Settings' button in the tab page for communication settings.

System512.pos:1 - FP OPC Serv	ver					
: File Edit View Server To	oois Help					
Navigator	<b>₽ x</b> ♦.	×m				
393×163		and a set of the set o	desident and over a			
⊟- y Firealarm	Namespace Properties			23	Assess Right	Description
System512	Channel Driver	Selection Communication Setti	ngs	ОК	Access Right	Description
- Alarms	Communication S	ettings		Cancel		
- Disablements	Communication Se	ettings	Settings	Next >>		
🔄 Faults 🔁 ReEnable	Communication O	ptimization	Communication Setting - FP OPC Server			
Server Status	Process all wr	te requests	COM port: CDM1 -	Cancel		
Server Time 2	00		Data length	Initialize		
Up Time 11	h 4		Stop bit			
Connected Clients 1			(* 1 bit C 2 bits			
Number of Tags 1	50	G		C 0		
Number of Active Items	Communication	n Settings				
	Click on [Settings	] to open the Communication	<u></u>			
	Process all write	requests	Time-out: 5 v sec			
	Writing data can b communication se application may se In this case, only	e a very important task in your ttings and the response time of and write requests to the PLC fa the last write request is process	a Parameter for automatic setting □ □ Baud rate □ □ Data Length			
	In certain instance important for every select the check t	s, e.g. when using sliding switc write request to be processed ox "Process all write requests"	h 🔽 Parity			
System Log				11	J	а×
DateTime	Type	Source	Event			
2008-03-25 13:50:01	Info	FP OPC Server	Server started successfully.			
2008-03-25 13:50:01	Info	FP OPC Server	The loading of the object-based name	space has been successful	1	

For serial settings one should set network type to 'C-NET (RS232)' and then select COM port, baud rate etcetera. Automatic settings are not supported so the three checkboxes in the bottom should be unchecked.

Network type:	C-NET(RS232C)	<u>0</u> K
COM port:	COM1 -	<u>C</u> ancel
Baud rate:	9600 💌 bps	<u>I</u> nitialize
-Data length-	0.00	
C 7 bits	8 bits	<u>H</u> elp
- Stop bit		
1 bit	C 2 bits	
Parity		
Non	C Odd C Even	C 0
Time-out: - Parameter fo	5 sec automatic setting	]
Data L	ength	

If TCP/IP communication is wanted, one should set network type to 'Ethernet', uncheck 'Use ET-LAN unit', check 'Aquire IP address automatically' and for Computer set 'Port No:' to 0 (zero). For Destination one should enter the ip address of the Web-server II 1598 as well as the same port number that is set in the OPC512 II Config Tool (here it is labelled 'Port to listen to: (1-32767)'.

le:	Cancel
irealarm	
Use ET-LAN unit	Initialize
Computer	<u>R</u> efer
Acquire IP address automatically	
IP address: 10, 254, 69, 110	<u>H</u> elp
Port No: 0 (0, 1025 - 32767 )	
Station No.: 64 (1 - 64)	
Destination	
IP address: 10, 254, 69, 220	
Port No.: 20000 (1 - 32767)	
Station No.: 1 (1 - 64)	
Communication Time-out (Sec):	
Connection Time-out (Sec): 60 🗸	

## **Revision history**

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