Content

Public

Engineering with CODESYS 3 then use Firmware 04.xx.xx
Engineering with e!COCKPIT then use Firmware 03.xx.xx

Public

1. Firmware Release 04.04.03 (26) - CODESYS 3

Engineering by CODESYS IDE V. 3.5 is supported
Engineering by e!COCKPIT IDE is not supported

Migration Guide – from e!COCKPIT to CODEYS V3.5:

- https://techdocs.wago.com/Software/eCOCKPIT_Migration/en-US/index.html#index_content

Tested and released with:	
CODESYS 64 Bit version	3.5.19.2
Device Description CODESYS	2.0.4.2

Affected articles/Available for			e!Runtime	
Article Number	Designation	Family	Target-Visu	PLC
762-4101	TP 600 4.3 480x272 PIO1 WP	Standard Line		
762-4102	TP 600 5.7 640x480 PIO1 WP	Standard Line		
762-4103	TP 600 7.0 800x480 PIO1 WP	Standard Line		
762-4104	TP 600 10.1 1280x800 PIO1 WP	Standard Line		
762-4201/8000-0001	TP 600 4.3 480x272 PIO2 VP	Standard Line	X	X
762-4202/8000-0001	TP 600 5.7 640x480 PIO2 VP	Standard Line	X	X
762-4203/8000-0001	TP 600 7.0 800x480 PIO2 VP	Standard Line	X	X
762-4204/8000-0001	TP 600 10.1 1280x800 PIO2 VP	Standard Line	X	X
762-4205/8000-0001	TP 600 15.6 1920x1080 PIO2 VP	Standard Line	X	X
762-4206/8000-0001	TP 600 21.5 1920x1080 PIO2 VP	Standard Line	X	X
762-4301/8000-0002	TP 600 4.3 480x272 PIO3 CP	Standard Line	X	X
762-4302/8000-0002	TP 600 5.7 640x480 PIO3 CP	Standard Line	X	X
762-4303/8000-0002	TP 600 7.0 800x480 PIO3 CP	Standard Line	X	X
762-4304/8000-0002	TP 600 10.1 1280x800 PIO3 CP	Standard Line	X	X
762-4305/8000-0002	TP 600 15.6 1920x1080 PIO2 CP	Standard Line	X	X
762-4306/8000-0002	TP 600 21.5 1920x1080 PIO2 CP	Standard Line	X	X
762-5203/8000-0001	TP 600 7.0 800x480 PIO2 VP	Advanced Line	X	X
762-5204/8000-0001	TP 600 10.1 1280x800 PIO2 VP	Advanced Line	X	X
762-5205/8000-0001	TP 600 15.6 1920x1080 PIO2 VP	Advanced Line	X	X
762-5206/8000-0001	TP 600 21.5 1920x1080 PIO2 VP	Advanced Line	X	X
762-5303/8000-0002	TP 600 7.0 800x480 PIO3 CP	Advanced Line	X	X
762-5304/8000-0002	TP 600 10.1 1280x800 PIO3 CP	Advanced Line	X	X
762-5305/8000-0002	TP 600 15.6 1920x1080 PIO2 CP	Advanced Line	X	X
762-5306/8000-0002	TP 600 21.5 1920x1080 PIO2 CP	Advanced Line	X	X
762-6201/8000-0001	TP 600 4.3 480x272 PIO2 VP	Marine Line	X	X
762-6202/8000-0001	TP 600 5.7 640x480 PIO2 VP	Marine Line	X	X
762-6203/8000-0001	TP 600 7.0 800x480 PIO2 VP	Marine Line	X	X
762-6204/8000-0001	TP 600 10.1 1280x800 PIO2 VP	Marine Line	X	X
762-6301/8000-0002	TP 600 4.3 480x272 PIO3 CP	Marine Line	X	X
762-6302/8000-0002	TP 600 5.7 640x480 PIO3 CP	Marine Line	X	X
762-6303/8000-0002	TP 600 7.0 800x480 PIO3 CP	Marine Line	X	X
762-6304/8000-0002	TP 600 10.1 1280x800 PIO3 CP	Marine Line	X	X
752-8303/8000-0002	EC PIO3 C		X	X

For further information, please consult the Release Notes of PFC200, 2. Generation.

1.1 Runtime System

| [NEW] | Codesys3 Runtime-System 3.5.19.20 |
| [CHANGED] | Access blocking for 1h after 5 login failures |

2. Firmware Release 04.03.03 (25) - CODESYS 3

Engineering by CODESYS IDE V. 3.5 is supported
Engineering by e!COCKPIT IDE is not supported

Migration Guide – from e!COCKPIT to CODEYS V3.5:

- https://techdocs.wago.com/Software/eCOCKPIT_Migration/en-US/index.html#index_content

Compatible with CODESYS Version	CODESYS 64 - 3.5.18.4

Affected articles/Available for			e!Runtime	
Article Number	**Designation**	**Family**	**Target-Visu**	**PLC**
762-4101	TP 600 4.3 480x272 PIO1 WP	Standard Line		
762-4102	TP 600 5.7 640x480 PIO1 WP	Standard Line		
762-4103	TP 600 7.0 800x480 PIO1 WP	Standard Line		
762-4104	TP 600 10.1 1280x800 PIO1 WP	Standard Line		
762-4201/8000-0001	TP 600 4.3 480x272 PIO2 VP	Standard Line	X	X
762-4202/8000-0001	TP 600 5.7 640x480 PIO2 VP	Standard Line	X	X
762-4203/8000-0001	TP 600 7.0 800x480 PIO2 VP	Standard Line	X	X
762-4204/8000-0001	TP 600 10.1 1280x800 PIO2 VP	Standard Line	X	X
762-4205/8000-0001	TP 600 15.6 1920x1080 PIO2 VP	Standard Line	X	X
762-4206/8000-0001	TP 600 21.5 1920x1080 PIO2 VP	Standard Line	X	X
762-4301/8000-0002	TP 600 4.3 480x272 PIO3 CP	Standard Line	X	X
762-4302/8000-0002	TP 600 5.7 640x480 PIO3 CP	Standard Line	X	X
762-4303/8000-0002	TP 600 7.0 800x480 PIO3 CP	Standard Line	X	X
762-4304/8000-0002	TP 600 10.1 1280x800 PIO3 CP	Standard Line	X	X
762-4305/8000-0002	TP 600 15.6 1920x1080 PIO2 CP	Standard Line	X	X
762-4306/8000-0002	TP 600 21.5 1920x1080 PIO2 CP	Standard Line	X	X
762-5203/8000-0001	TP 600 7.0 800x480 PIO2 VP	Advanced Line	X	X
762-5204/8000-0001	TP 600 10.1 1280x800 PIO2 VP	Advanced Line	X	X
762-5205/8000-0001	TP 600 15.6 1920x1080 PIO2 VP	Advanced Line	X	X
762-5206/8000-0001	TP 600 21.5 1920x1080 PIO2 VP	Advanced Line	X	X
762-5303/8000-0002	TP 600 7.0 800x480 PIO3 CP	Advanced Line	X	X
762-5304/8000-0002	TP 600 10.1 1280x800 PIO3 CP	Advanced Line	X	X
762-5305/8000-0002	TP 600 15.6 1920x1080 PIO2 CP	Advanced Line	X	X
762-5306/8000-0002	TP 600 21.5 1920x1080 PIO2 CP	Advanced Line	X	X
762-6201/8000-0001	TP 600 4.3 480x272 PIO2 VP	Marine Line	X	X
762-6202/8000-0001	TP 600 5.7 640x480 PIO2 VP	Marine Line	X	X
762-6203/8000-0001	TP 600 7.0 800x480 PIO2 VP	Marine Line	X	X
762-6204/8000-0001	TP 600 10.1 1280x800 PIO2 VP	Marine Line	X	X
762-6301/8000-0002	TP 600 4.3 480x272 PIO3 CP	Marine Line	X	X
762-6302/8000-0002	TP 600 5.7 640x480 PIO3 CP	Marine Line	X	X
762-6303/8000-0002	TP 600 7.0 800x480 PIO3 CP	Marine Line	X	X
762-6304/8000-0002	TP 600 10.1 1280x800 PIO3 CP	Marine Line	X	X
752-8303/8000-0002	EC PIO3 C		X	X

For further information, please consult the Release Notes of PFC200, 2. Generation.

2.1 Runtime System

[NEW]   Codesys3 Runtime-System 3.5.18.40

[CHANGED]   Codesys3 Runtime-System supported on TP600 Visu Panel
                            (762-x20x/8000-0002).

3. Firmware Release 04.02.13 (24) - CODESYS 3

Engineering by CODESYS IDE V. 3.5 is supported
Engineering by e!COCKPIT IDE is not supported

Migration Guide – from e!COCKPIT to CODEYS V3.5:

- https://techdocs.wago.com/Software/eCOCKPIT_Migration/en-US/index.html#index_content

Compatible with CODESYS Version	CODESYS 64 - 3.5.18.2

Affected articles/Available for			Codesys	
Article Number	**Designation**	**Family**	**Target-Visu**	**PLC**
762-4101	TP 600 4.3 480x272 PIO1 WP	Standard Line		
762-4102	TP 600 5.7 640x480 PIO1 WP	Standard Line		
762-4103	TP 600 7.0 800x480 PIO1 WP	Standard Line		
762-4104	TP 600 10.1 1280x800 PIO1 WP	Standard Line		
762-4301/8000-0002	TP 600 4.3 480x272 PIO3 CP	Standard Line	X	X
762-4302/8000-0002	TP 600 5.7 640x480 PIO3 CP	Standard Line	X	X
762-4303/8000-0002	TP 600 7.0 800x480 PIO3 CP	Standard Line	X	X
762-4304/8000-0002	TP 600 10.1 1280x800 PIO3 CP	Standard Line	X	X
762-4305/8000-0002	TP 600 15.6 1920x1080 PIO3 CP	Standard Line	X	X
762-4306/8000-0002	TP 600 21.5 1920x1080 PIO3 CP	Standard Line	X	X
762-5303/8000-0002	TP 600 7.0 800x480 PIO3 CP	Advanced Line	X	X
762-5304/8000-0002	TP 600 10.1 1280x800 PIO3 CP	Advanced Line	X	X
762-5305/8000-0002	TP 600 15.6 1920x1080 PIO3 CP	Advanced Line	X	X
762-5306/8000-0002	TP 600 21.5 1920x1080 PIO3 CP	Advanced Line	X	X
762-6301/8000-0002	TP 600 4.3 480x272 PIO3 CP	Marine Line	X	X
762-6302/8000-0002	TP 600 5.7 640x480 PIO3 CP	Marine Line	X	X
762-6303/8000-0002	TP 600 7.0 800x480 PIO3 CP	Marine Line	X	X
762-6304/8000-0002	TP 600 10.1 1280x800 PIO3 CP	Marine Line	X	X
752-8303/8000-0002	EC PIO3 C		X	X

For further information, please consult the Release Notes of PFC200, 2. Generation.

3.1 System

[NEW]	EC: Touchscreen support for display types:
	Waveshare, Ilitek, PixCir, Elotouch, QDtech
[FIXED]	CVE-2022-0529 , CVE-2022-0530

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| [FIXED] | | Updates libcurl to version 7.84.0; Fixes CVE-2022-22576 , CVE-2022-27782, CVE-2022-30115, CVE-2022-27775, CVE-2022-27781, CVE-2022-27776, CVE-2022-27779, CVE-2022-27780, CVE-2022-27774, CVE-2022-32205, CVE-2022-32206, CVE-2022-32207, CVE-2022-32208 |

3.2   Runtime System

[NEW]		Codesys3 Runtime-System 3.5.18.20
[CHANGED]		Codesys3 Runtime-System supported on TP600 Control Panel (762-x30x/8000-0002) and Edge Controller (752-8303/8000-0002).
[FIXED]	WAT35177	"PLC load watchdog" might not work as expected: the plc load watch-dog will detect (e.g. an endless loop) but the IEC task might not be stopped in any case. This might lead to a complete stop of the runtime process. As workaround and improve "hardening" of your IEC application we recommend to use an IEC Task watchdog on all your relevant IEC tasks in your IEC application.

4. Firmware Release 03.10.10 (22)

Compatible from e!COCKPIT Version	1.11

Affected articles/Available for			e!Runtime	
Article Number	Designation	Family	Target-Visu	PLC
762-4101	TP 600 4.3 480x272 PIO1 WP	Standard Line		
762-4102	TP 600 5.7 640x480 PIO1 WP	Standard Line		
762-4103	TP 600 7.0 800x480 PIO1 WP	Standard Line		
762-4104	TP 600 10.1 1280x800 PIO1 WP	Standard Line		
762-4201/8000-0001	TP 600 4.3 480x272 PIO2 VP	Standard Line	X	X*
762-4202/8000-0001	TP 600 5.7 640x480 PIO2 VP	Standard Line	X	X*
762-4203/8000-0001	TP 600 7.0 800x480 PIO2 VP	Standard Line	X	X*
762-4204/8000-0001	TP 600 10.1 1280x800 PIO2 VP	Standard Line	X	X*
762-4205/8000-0001	TP 600 15.6 1920x1080 PIO2 VP	Standard Line	X	X*
762-4206/8000-0001	TP 600 21.5 1920x1080 PIO2 VP	Standard Line	X	X*
762-4301/8000-0002	TP 600 4.3 480x272 PIO3 CP	Standard Line	X	X
762-4302/8000-0002	TP 600 5.7 640x480 PIO3 CP	Standard Line	X	X
762-4303/8000-0002	TP 600 7.0 800x480 PIO3 CP	Standard Line	X	X
762-4304/8000-0002	TP 600 10.1 1280x800 PIO3 CP	Standard Line	X	X
762-4305/8000-0002	TP 600 15.6 1920x1080 PIO2 CP	Standard Line	X	X*
762-4306/8000-0002	TP 600 21.5 1920x1080 PIO2 CP	Standard Line	X	X*
762-5203/8000-0001	TP 600 7.0 800x480 PIO2 VP	Advanced Line	X	X*
762-5204/8000-0001	TP 600 10.1 1280x800 PIO2 VP	Advanced Line	X	X*
762-5205/8000-0001	TP 600 15.6 1920x1080 PIO2 VP	Advanced Line	X	X*
762-5206/8000-0001	TP 600 21.5 1920x1080 PIO2 VP	Advanced Line	X	X*
762-5303/8000-0002	TP 600 7.0 800x480 PIO3 CP	Advanced Line	X	X
762-5304/8000-0002	TP 600 10.1 1280x800 PIO3 CP	Advanced Line	X	X
762-5305/8000-0002	TP 600 15.6 1920x1080 PIO2 CP	Advanced Line	X	X*
762-5306/8000-0002	TP 600 21.5 1920x1080 PIO2 CP	Advanced Line	X	X*
762-6201/8000-0001	TP 600 4.3 480x272 PIO2 VP	Marine Line	X	X*
762-6202/8000-0001	TP 600 5.7 640x480 PIO2 VP	Marine Line	X	X*
762-6203/8000-0001	TP 600 7.0 800x480 PIO2 VP	Marine Line	X	X*
762-6204/8000-0001	TP 600 10.1 1280x800 PIO2 VP	Marine Line	X	X*

762-6301/8000-0002	TP 600 4.3 480x272 PIO3 CP	Marine Line	X	X
762-6302/8000-0002	TP 600 5.7 640x480 PIO3 CP	Marine Line	X	X
762-6303/8000-0002	TP 600 7.0 800x480 PIO3 CP	Marine Line	X	X
762-6304/8000-0002	TP 600 10.1 1280x800 PIO3 CP	Marine Line	X	X
752-8303/8000-0002	EC PIO3 C		X	X

X* = Can be added via DRM

For further information, please consult the Release Notes of PFC200, 2. Generation.

4.1   System

[FIXED]   WAT34090   TP600: MicroBrowser - External keyboard does not work

[FIXED]   WAT34188   TP600: MicroBrowser - Cutting off on the element bar graph not applicable

[FIXED]   WAT34363   TP600: MicroBrowser - C2.3 Visu - Time output format not settable

[FIXED]   CVE-2022-0529 , CVE-2022-0530

[FIXED]   Updates libcurl to version 7.84.0; Fixes CVE-2022-22576 , CVE-2022-27782, CVE-2022-30115, CVE-2022-27775, CVE-2022-27781, CVE-2022-27776, CVE-2022-27779, CVE-2022-27780, CVE-2022-27774, CVE-2022-32205, CVE-2022-32206, CVE-2022-32207, CVE-2022-32208

4.2   Runtime System

[KNOWN]   WAT35177   "PLC load watchdog" might not work as expected: the plc load watchdog will detect (e.g. an endless loop) but the IEC task might not be stopped in any case. This might lead to a complete stop of the runtime process. As workaround and improve "hardening" of your IEC application we recommend to use an IEC Task watchdog on all your relevant IEC tasks in your IEC application.

Public

Public

5. Firmware Release 03.10.09 (22)

Compatible from e!COCKPIT Version	1.11

Affected articles/Available for			e!Runtime	
Article Number	Designation	Family	Target-Visu	PLC
762-4101	TP 600 4.3 480x272 PIO1 WP	Standard Line		
762-4102	TP 600 5.7 640x480 PIO1 WP	Standard Line		
762-4103	TP 600 7.0 800x480 PIO1 WP	Standard Line		
762-4104	TP 600 10.1 1280x800 PIO1 WP	Standard Line		
762-4201/8000-0001	TP 600 4.3 480x272 PIO2 VP	Standard Line	X	X*
762-4202/8000-0001	TP 600 5.7 640x480 PIO2 VP	Standard Line	X	X*
762-4203/8000-0001	TP 600 7.0 800x480 PIO2 VP	Standard Line	X	X*
762-4204/8000-0001	TP 600 10.1 1280x800 PIO2 VP	Standard Line	X	X*
762-4205/8000-0001	TP 600 15.6 1920x1080 PIO2 VP	Standard Line	X	X*
762-4206/8000-0001	TP 600 21.5 1920x1080 PIO2 VP	Standard Line	X	X*
762-4301/8000-0002	TP 600 4.3 480x272 PIO3 CP	Standard Line	X	X
762-4302/8000-0002	TP 600 5.7 640x480 PIO3 CP	Standard Line	X	X
762-4303/8000-0002	TP 600 7.0 800x480 PIO3 CP	Standard Line	X	X
762-4304/8000-0002	TP 600 10.1 1280x800 PIO3 CP	Standard Line	X	X
762-4305/8000-0002	TP 600 15.6 1920x1080 PIO2 CP	Standard Line	X	X*
762-4306/8000-0002	TP 600 21.5 1920x1080 PIO2 CP	Standard Line	X	X*
762-5203/8000-0001	TP 600 7.0 800x480 PIO2 VP	Advanced Line	X	X*
762-5204/8000-0001	TP 600 10.1 1280x800 PIO2 VP	Advanced Line	X	X*
762-5205/8000-0001	TP 600 15.6 1920x1080 PIO2 VP	Advanced Line	X	X*
762-5206/8000-0001	TP 600 21.5 1920x1080 PIO2 VP	Advanced Line	X	X*
762-5303/8000-0002	TP 600 7.0 800x480 PIO3 CP	Advanced Line	X	X
762-5304/8000-0002	TP 600 10.1 1280x800 PIO3 CP	Advanced Line	X	X
762-5305/8000-0002	TP 600 15.6 1920x1080 PIO2 CP	Advanced Line	X	X*
762-5306/8000-0002	TP 600 21.5 1920x1080 PIO2 CP	Advanced Line	X	X*
762-6201/8000-0001	TP 600 4.3 480x272 PIO2 VP	Marine Line	X	X*
762-6202/8000-0001	TP 600 5.7 640x480 PIO2 VP	Marine Line	X	X*
762-6203/8000-0001	TP 600 7.0 800x480 PIO2 VP	Marine Line	X	X*
762-6204/8000-0001	TP 600 10.1 1280x800 PIO2 VP	Marine Line	X	X*

762-6301/8000-0002	TP 600 4.3 480x272 PIO3 CP	Marine Line	X	X
762-6302/8000-0002	TP 600 5.7 640x480 PIO3 CP	Marine Line	X	X
762-6303/8000-0002	TP 600 7.0 800x480 PIO3 CP	Marine Line	X	X
762-6304/8000-0002	TP 600 10.1 1280x800 PIO3 CP	Marine Line	X	X
752-8303/8000-0002	EC PIO3 C		X	X

X* = Can be added via DRM

For further information, please consult the Release Notes of PFC200, 2. Generation.

5.1   System

[NEW]		Update MESALIB from 19.0.4 to 21.2.2
[NEW]		Update of QT5 from 5.9.7 to 5.14.2
[NEW]		Update Xorg server from 1.17.4 to 1.20.10
[NEW]		Change of windowmanager from Fluxbox 1.3.7 to Icewm 2.0.1
[NEW]		IR-front sensor can be deactivated via config tool
[NEW]	WAT32833	Improved robustness of application control with operating mode switch and additional detection of invalid states.
[NEW]		IP forwading is activated implicitly when Docker is activated.
[NEW]	WAT34079	Libcurl update to version 7.81.0
[NEW]		Bootloader update to version 2021.10.0
[FIXED]	WAT33827	Sender of SNMP "Informs" could be changed
[FIXED]	WAT33547	deactivate Multicast Snooping by default
[FIXED]	WAT33914	4-Port PFCs now forwarding BPDU packets
[FIXED]	WAT34053	Security-Fix in config-tool print_log.
[FIXED]	WAT34123	Network bridges discard their IP address when all associated network ports are disconnected.
[FIXED]	WAT34284	"Dirty Pipe" enables root privileges CVE-2022-0847
[FIXED]	WAT34507	TP600: Workspace menu accessible via USB mouse / keyboard
[NEW]		Websocket server update to version 2.0.8
[NEW]		TP600: Infrared sensor can be deactivated
[NEW]		Integration of Docker Deamon. Docker now can be installed and activited via. WBM.
[NEW]		Users of WBM and Linux where harmonized. User "user" and "admin" can still be used for authorization in WBM as default, but they are no longer exclusive for WBM. Every WBM user can only change his own password now.

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To use WBM, linux user can be added to group "wbm-admin" or "wbm-user". All other users where treated as "guest".

Note:

Configuration/change of password in WBM will directly change the configuration of the corresponding linux user and vice versa.

After upgrade to FW 20, login in WBM is not possible with the old WBM passwords; you must use the passwords of the corresponding linux users.

After a following downgrade to FW 19 (or less), WBM will use the WBM default passwords.

[NEW]		"Codesys port authentication password" can no longer be changed via WBM.
[NEW]		From FW20 the HTTPS port is always active and cannot be disabled via WBM or configtool. Please note that this will be the state after a firmware update, regardless which state was configured before. If necessary, the HTTPS port can be blocked via the firewall.
[NEW]		PTXdist update to version 2020.8.0
[NEW]		openSSL update to version 1.1.1.L
[NEW]	WAT33917	Busybox update to version 1.34.1

CVE-2021-42378, CVE-2021-42379, CVE-2021-42380, CVE-2021-42381, CVE-2021-42382, CVE-2021-42383, CVE-2021-42384, CVE-2021-42385, CVE-2021-42386

5.2 Fieldbus Interface & Protocols

CAN

[FIXED]	WAT34135	CAN interface goes into BusOff by TxOverflow

BACnet

[NEW]	The BACnet revision has been updated from revision 14 to revision 22

Cloud Connectivity

[NEW]	Proxy configuration for MS Azure + Wago Cloud in WBM configurable

5.3   Runtime System

[NEW]		e!RUNTIME Upgrade to version 3.5.17.3 (based on CODESYS 3.5, SP 17, Patch 3)
		Fixed CVE-2021-29242, CVE-2021-36765, CVE-2021-33485, CVE-2021-36763, CVE-2021-36764, CVE-2022-1989
[FIXED]	WAT34487	TP600: Feature Targetvisu does not compile in ptxdist
[NEW]		TP600: Codesys patch for the virtual keyboard to 3.5.17.3 adapted

5.4   Functional change

[DEPRECATED]	Config tool function get_telecontrol_state will be removed in future releases.
	The config tool was used to determine whether a device is a telecontrol. Since telecontrol services can be added by dynamic licensing, the tool is no longer needed.
[DEPRECATED]	DHCP and DNS Server will be removed in future releases.
	For the transition, it will be included for now. In the next release, the servers will still be part of the firmware.
[REMOVED]	Removed Telnet server, use SSH instead.
[REMOVED]	Removed TFTP server.

5.5   Beta functionalities

[BETA]	"Wago Device Access" for parametrization and configuration.
	The service is available and can already be tested. Changes in the model and behavior are possible for future versions.
	REST-API is active under path "<host>/wda" on port 443.
	File-Access-API is active under path "<host>/files" on port 443.
	To disable the service, delete symlink "/etc/rc.d/S11_paramd" or move it to subdirectory "disabled".
	Compared to the last firmware, many more parameter providers have been added.

6. Firmware Release 03.07.20 (19)

| Compatible from e!COCKPIT Version | 1.9* |

*Service Pack 1 (2021-08) required

Affected articles/Available for			e!Runtime	
Article Number	Designation	Family	Target-Visu	PLC
762-4101	TP 600 4.3 480x272 PIO1 WP	Standard Line		
762-4102	TP 600 5.7 640x480 PIO1 WP	Standard Line		
762-4103	TP 600 7.0 800x480 PIO1 WP	Standard Line		
762-4104	TP 600 10.1 1280x800 PIO1 WP	Standard Line		
762-4201/8000-0001	TP 600 4.3 480x272 PIO2 VP	Standard Line	X	X*
762-4202/8000-0001	TP 600 5.7 640x480 PIO2 VP	Standard Line	X	X*
762-4203/8000-0001	TP 600 7.0 800x480 PIO2 VP	Standard Line	X	X*
762-4204/8000-0001	TP 600 10.1 1280x800 PIO2 VP	Standard Line	X	X*
762-4205/8000-0001	TP 600 15.6 1920x1080 PIO2 VP	Standard Line	X	X*
762-4206/8000-0001	TP 600 21.5 1920x1080 PIO2 VP	Standard Line	X	X*
762-4301/8000-0002	TP 600 4.3 480x272 PIO3 CP	Standard Line	X	X
762-4302/8000-0002	TP 600 5.7 640x480 PIO3 CP	Standard Line	X	X
762-4303/8000-0002	TP 600 7.0 800x480 PIO3 CP	Standard Line	X	X
762-4304/8000-0002	TP 600 10.1 1280x800 PIO3 CP	Standard Line	X	X
762-4305/8000-0002	TP 600 15.6 1920x1080 PIO2 CP	Standard Line	X	X*
762-4306/8000-0002	TP 600 21.5 1920x1080 PIO2 CP	Standard Line	X	X*
762-5203/8000-0001	TP 600 7.0 800x480 PIO2 VP	Advanced Line	X	X*
762-5204/8000-0001	TP 600 10.1 1280x800 PIO2 VP	Advanced Line	X	X*
762-5205/8000-0001	TP 600 15.6 1920x1080 PIO2 VP	Advanced Line	X	X*
762-5206/8000-0001	TP 600 21.5 1920x1080 PIO2 VP	Advanced Line	X	X*
762-5303/8000-0002	TP 600 7.0 800x480 PIO3 CP	Advanced Line	X	X
762-5304/8000-0002	TP 600 10.1 1280x800 PIO3 CP	Advanced Line	X	X
762-5305/8000-0002	TP 600 15.6 1920x1080 PIO2 CP	Advanced Line	X	X*
762-5306/8000-0002	TP 600 21.5 1920x1080 PIO2 CP	Advanced Line	X	X*
762-6201/8000-0001	TP 600 4.3 480x272 PIO2 VP	Marine Line	X	X*
762-6202/8000-0001	TP 600 5.7 640x480 PIO2 VP	Marine Line	X	X*
762-6203/8000-0001	TP 600 7.0 800x480 PIO2 VP	Marine Line	X	X*
762-6204/8000-0001	TP 600 10.1 1280x800 PIO2 VP	Marine Line	x	X*

Public

762-6301/8000-0002	TP 600 4.3 480x272 PIO3 CP	Marine Line	X	X
762-6302/8000-0002	TP 600 5.7 640x480 PIO3 CP	Marine Line	X	X
762-6303/8000-0002	TP 600 7.0 800x480 PIO3 CP	Marine Line	X	X
762-6304/8000-0002	TP 600 10.1 1280x800 PIO3 CP	Marine Line	X	X
752-8303/8000-0002	EC PIO3 C		X	X

X* = Can be added via DRM

For further information, please consult the Release Notes of PFC200, 2. Generation.

6.1   System

[FIXED]   WAT34284   "Dirty Pipe" enables root privileges
                               CVE-2022-0847

[FIXED]   WAT34388   21.5" devices: flickering and stripes on the display

[FIXED]   Edge Controller: Sporadically no USB-C connection

6.2   Fieldbus Interface & Libraries

[FIXED]   WAT33683   When using BACnet, there is no longer an increase in open file discreptors

[FIXED]   WAT34379   When using WriteMapping of Binary Object Property Present Value,
                               the device does not send cyclic the value "active".

Public

7. Firmware Release 03.07.19 (19)

Compatible from e!COCKPIT Version	1.9*

*Service Pack 1 (2021-08) required

Affected articles/Available for			e!Runtime	
Article Number	Designation	Family	Target-Visu	PLC
762-4101	TP 600 4.3 480x272 PIO1 WP	Standard Line		
762-4102	TP 600 5.7 640x480 PIO1 WP	Standard Line		
762-4103	TP 600 7.0 800x480 PIO1 WP	Standard Line		
762-4104	TP 600 10.1 1280x800 PIO1 WP	Standard Line		
762-4201/8000-0001	TP 600 4.3 480x272 PIO2 VP	Standard Line	X	X*
762-4202/8000-0001	TP 600 5.7 640x480 PIO2 VP	Standard Line	X	X*
762-4203/8000-0001	TP 600 7.0 800x480 PIO2 VP	Standard Line	X	X*
762-4204/8000-0001	TP 600 10.1 1280x800 PIO2 VP	Standard Line	X	X*
762-4205/8000-0001	TP 600 15.6 1920x1080 PIO2 VP	Standard Line	X	X*
762-4206/8000-0001	TP 600 21.5 1920x1080 PIO2 VP	Standard Line	X	X*
762-4301/8000-0002	TP 600 4.3 480x272 PIO3 CP	Standard Line	X	X
762-4302/8000-0002	TP 600 5.7 640x480 PIO3 CP	Standard Line	X	X
762-4303/8000-0002	TP 600 7.0 800x480 PIO3 CP	Standard Line	X	X
762-4304/8000-0002	TP 600 10.1 1280x800 PIO3 CP	Standard Line	X	X
762-4305/8000-0002	TP 600 15.6 1920x1080 PIO2 CP	Standard Line	X	X*
762-4306/8000-0002	TP 600 21.5 1920x1080 PIO2 CP	Standard Line	X	X*
762-5203/8000-0001	TP 600 7.0 800x480 PIO2 VP	Advanced Line	X	X*
762-5204/8000-0001	TP 600 10.1 1280x800 PIO2 VP	Advanced Line	X	X*
762-5205/8000-0001	TP 600 15.6 1920x1080 PIO2 VP	Advanced Line	X	X*
762-5206/8000-0001	TP 600 21.5 1920x1080 PIO2 VP	Advanced Line	X	X*
762-5303/8000-0002	TP 600 7.0 800x480 PIO3 CP	Advanced Line	X	X
762-5304/8000-0002	TP 600 10.1 1280x800 PIO3 CP	Advanced Line	X	X
762-5305/8000-0002	TP 600 15.6 1920x1080 PIO2 CP	Advanced Line	X	X*
762-5306/8000-0002	TP 600 21.5 1920x1080 PIO2 CP	Advanced Line	X	X*
762-6201/8000-0001	TP 600 4.3 480x272 PIO2 VP	Marine Line	X	X*
762-6202/8000-0001	TP 600 5.7 640x480 PIO2 VP	Marine Line	X	X*
762-6203/8000-0001	TP 600 7.0 800x480 PIO2 VP	Marine Line	X	X*
762-6204/8000-0001	TP 600 10.1 1280x800 PIO2 VP	Marine Line	x	X*

Public

762-6301/8000-0002	TP 600 4.3 480x272 PIO3 CP	Marine Line	X	X
762-6302/8000-0002	TP 600 5.7 640x480 PIO3 CP	Marine Line	X	X
762-6303/8000-0002	TP 600 7.0 800x480 PIO3 CP	Marine Line	X	X
762-6304/8000-0002	TP 600 10.1 1280x800 PIO3 CP	Marine Line	X	X
752-8303/8000-0002	EC PIO3 C		X	X

X* = Can be added via DRM

For further information, please consult the Release Notes of PFC200, 2. Generation.

7.1   System

[FIXED]   WAT34284   "Dirty Pipe" enables root privileges
                               CVE-2022-0847

8. Firmware Release 03.07.18 (19)

Compatible from e!COCKPIT Version	1.9*	

*Service Pack 1 (2021-08) required

Affected articles/Available for			e!Runtime	
Article Number	Designation	Family	Target-Visu	PLC
762-4101	TP 600 4.3 480x272 PIO1 WP	Standard Line		
762-4102	TP 600 5.7 640x480 PIO1 WP	Standard Line		
762-4103	TP 600 7.0 800x480 PIO1 WP	Standard Line		
762-4104	TP 600 10.1 1280x800 PIO1 WP	Standard Line		
762-4201/8000-0001	TP 600 4.3 480x272 PIO2 VP	Standard Line	X	X*
762-4202/8000-0001	TP 600 5.7 640x480 PIO2 VP	Standard Line	X	X*
762-4203/8000-0001	TP 600 7.0 800x480 PIO2 VP	Standard Line	X	X*
762-4204/8000-0001	TP 600 10.1 1280x800 PIO2 VP	Standard Line	X	X*
762-4205/8000-0001	TP 600 15.6 1920x1080 PIO2 VP	Standard Line	X	X*
762-4206/8000-0001	TP 600 21.5 1920x1080 PIO2 VP	Standard Line	X	X*
762-4301/8000-0002	TP 600 4.3 480x272 PIO3 CP	Standard Line	X	X
762-4302/8000-0002	TP 600 5.7 640x480 PIO3 CP	Standard Line	X	X
762-4303/8000-0002	TP 600 7.0 800x480 PIO3 CP	Standard Line	X	X
762-4304/8000-0002	TP 600 10.1 1280x800 PIO3 CP	Standard Line	X	X
762-4305/8000-0002	TP 600 15.6 1920x1080 PIO2 CP	Standard Line	X	X*
762-4306/8000-0002	TP 600 21.5 1920x1080 PIO2 CP	Standard Line	X	X*
762-5203/8000-0001	TP 600 7.0 800x480 PIO2 VP	Advanced Line	X	X*
762-5204/8000-0001	TP 600 10.1 1280x800 PIO2 VP	Advanced Line	X	X*
762-5205/8000-0001	TP 600 15.6 1920x1080 PIO2 VP	Advanced Line	X	X*
762-5206/8000-0001	TP 600 21.5 1920x1080 PIO2 VP	Advanced Line	X	X*
762-5303/8000-0002	TP 600 7.0 800x480 PIO3 CP	Advanced Line	X	X
762-5304/8000-0002	TP 600 10.1 1280x800 PIO3 CP	Advanced Line	X	X
762-5305/8000-0002	TP 600 15.6 1920x1080 PIO2 CP	Advanced Line	X	X*
762-5306/8000-0002	TP 600 21.5 1920x1080 PIO2 CP	Advanced Line	X	X*
762-6201/8000-0001	TP 600 4.3 480x272 PIO2 VP	Marine Line	X	X*
762-6202/8000-0001	TP 600 5.7 640x480 PIO2 VP	Marine Line	X	X*
762-6203/8000-0001	TP 600 7.0 800x480 PIO2 VP	Marine Line	X	X*
762-6204/8000-0001	TP 600 10.1 1280x800 PIO2 VP	Marine Line	x	X*

Public

762-6301/8000-0002	TP 600 4.3 480x272 PIO3 CP	Marine Line	X	X
762-6302/8000-0002	TP 600 5.7 640x480 PIO3 CP	Marine Line	X	X
762-6303/8000-0002	TP 600 7.0 800x480 PIO3 CP	Marine Line	X	X
762-6304/8000-0002	TP 600 10.1 1280x800 PIO3 CP	Marine Line	X	X
752-8303/8000-0002	EC PIO3 C		X	X

X* = Can be added via DRM

For further information, please consult the Release Notes of PFC200, 2. Generation.

8.1   System

[FIXED]   WAT33936   Frozen screensaver

[FIXED]   21.5" devices: flickering and stripes on the display

9. Firmware Release 03.07.14 (19)

| Compatible from e!COCKPIT Version | 1.9* |

*Service Pack 1 (2021-08) required

Affected articles/Available for			e!Runtime	
Article Number	Designation	Family	Target-Visu	PLC
762-4101	TP 600 4.3 480x272 PIO1 WP	Standard Line		
762-4102	TP 600 5.7 640x480 PIO1 WP	Standard Line		
762-4103	TP 600 7.0 800x480 PIO1 WP	Standard Line		
762-4104	TP 600 10.1 1280x800 PIO1 WP	Standard Line		
762-4201/8000-0001	TP 600 4.3 480x272 PIO2 VP	Standard Line	X	X*
762-4202/8000-0001	TP 600 5.7 640x480 PIO2 VP	Standard Line	X	X*
762-4203/8000-0001	TP 600 7.0 800x480 PIO2 VP	Standard Line	X	X*
762-4204/8000-0001	TP 600 10.1 1280x800 PIO2 VP	Standard Line	X	X*
762-4205/8000-0001	TP 600 15.6 1920x1080 PIO2 VP	Standard Line	X	X*
762-4206/8000-0001	TP 600 21.5 1920x1080 PIO2 VP	Standard Line	X	X*
762-4301/8000-0002	TP 600 4.3 480x272 PIO3 CP	Standard Line	X	X
762-4302/8000-0002	TP 600 5.7 640x480 PIO3 CP	Standard Line	X	X
762-4303/8000-0002	TP 600 7.0 800x480 PIO3 CP	Standard Line	X	X
762-4304/8000-0002	TP 600 10.1 1280x800 PIO3 CP	Standard Line	X	X
762-4305/8000-0002	TP 600 15.6 1920x1080 PIO2 CP	Standard Line	X	X*
762-4306/8000-0002	TP 600 21.5 1920x1080 PIO2 CP	Standard Line	X	X*
762-5203/8000-0001	TP 600 7.0 800x480 PIO2 VP	Advanced Line	X	X*
762-5204/8000-0001	TP 600 10.1 1280x800 PIO2 VP	Advanced Line	X	X*
762-5205/8000-0001	TP 600 15.6 1920x1080 PIO2 VP	Advanced Line	X	X*
762-5206/8000-0001	TP 600 21.5 1920x1080 PIO2 VP	Advanced Line	X	X*
762-5303/8000-0002	TP 600 7.0 800x480 PIO3 CP	Advanced Line	X	X
762-5304/8000-0002	TP 600 10.1 1280x800 PIO3 CP	Advanced Line	X	X
762-5305/8000-0002	TP 600 15.6 1920x1080 PIO2 CP	Advanced Line	X	X*
762-5306/8000-0002	TP 600 21.5 1920x1080 PIO2 CP	Advanced Line	X	X*
762-6201/8000-0001	TP 600 4.3 480x272 PIO2 VP	Marine Line	X	X*
762-6202/8000-0001	TP 600 5.7 640x480 PIO2 VP	Marine Line	X	X*
762-6203/8000-0001	TP 600 7.0 800x480 PIO2 VP	Marine Line	X	X*
762-6204/8000-0001	TP 600 10.1 1280x800 PIO2 VP	Marine Line	x	X*

762-6301/8000-0002	TP 600 4.3 480x272 PIO3 CP	Marine Line	X	X
762-6302/8000-0002	TP 600 5.7 640x480 PIO3 CP	Marine Line	X	X
762-6303/8000-0002	TP 600 7.0 800x480 PIO3 CP	Marine Line	X	X
762-6304/8000-0002	TP 600 10.1 1280x800 PIO3 CP	Marine Line	X	X
752-8303/8000-0002	EC PIO3 C		X	X

X* = Can be added via DRM

For further information, please consult the Release Notes of PFC200, 2. Generation.

9.1 System

[NEW]   Changed startup behavior: Web pages can be set as start page even if PLC application is present.

[NEW]   Kernel Upgrade to 5.10

9.2 Runtime System

[NEW]   e!RUNTIME Upgrade to Version 3.5.16.3

10. Firmware Release 03.06.19 (18)

Compatible from e!COCKPIT Version	1.8*

Affected articles/Available for			e!Runtime	
Article Number	Designation	Family	Target-Visu	PLC
762-4101	TP 600 4.3 480x272 PIO1 WP	Standard Line		
762-4102	TP 600 5.7 640x480 PIO1 WP	Standard Line		
762-4103	TP 600 7.0 800x480 PIO1 WP	Standard Line		
762-4104	TP 600 10.1 1280x800 PIO1 WP	Standard Line		
762-4201/8000-0001	TP 600 4.3 480x272 PIO2 VP	Standard Line	X	X*
762-4202/8000-0001	TP 600 5.7 640x480 PIO2 VP	Standard Line	X	X*
762-4203/8000-0001	TP 600 7.0 800x480 PIO2 VP	Standard Line	X	X*
762-4204/8000-0001	TP 600 10.1 1280x800 PIO2 VP	Standard Line	X	X*
762-4205/8000-0001	TP 600 15.6 1920x1080 PIO2 VP	Standard Line	X	X*
762-4206/8000-0001	TP 600 21.5 1920x1080 PIO2 VP	Standard Line	X	X*
762-4301/8000-0002	TP 600 4.3 480x272 PIO3 CP	Standard Line	X	X
762-4302/8000-0002	TP 600 5.7 640x480 PIO3 CP	Standard Line	X	X
762-4303/8000-0002	TP 600 7.0 800x480 PIO3 CP	Standard Line	X	X
762-4304/8000-0002	TP 600 10.1 1280x800 PIO3 CP	Standard Line	X	X
762-4305/8000-0002	TP 600 15.6 1920x1080 PIO2 CP	Standard Line	X	X*
762-4306/8000-0002	TP 600 21.5 1920x1080 PIO2 CP	Standard Line	X	X*
762-5203/8000-0001	TP 600 7.0 800x480 PIO2 VP	Advanced Line	X	X*
762-5204/8000-0001	TP 600 10.1 1280x800 PIO2 VP	Advanced Line	X	X*
762-5205/8000-0001	TP 600 15.6 1920x1080 PIO2 VP	Advanced Line	X	X*
762-5206/8000-0001	TP 600 21.5 1920x1080 PIO2 VP	Advanced Line	X	X*
762-5303/8000-0002	TP 600 7.0 800x480 PIO3 CP	Advanced Line	X	X
762-5304/8000-0002	TP 600 10.1 1280x800 PIO3 CP	Advanced Line	X	X
762-5305/8000-0002	TP 600 15.6 1920x1080 PIO2 CP	Advanced Line	X	X*
762-5306/8000-0002	TP 600 21.5 1920x1080 PIO2 CP	Advanced Line	X	X*
762-6201/8000-0001	TP 600 4.3 480x272 PIO2 VP	Marine Line	X	X*
762-6202/8000-0001	TP 600 5.7 640x480 PIO2 VP	Marine Line	X	X*
762-6203/8000-0001	TP 600 7.0 800x480 PIO2 VP	Marine Line	X	X*
762-6204/8000-0001	TP 600 10.1 1280x800 PIO2 VP	Marine Line	x	X*

762-6301/8000-0002	TP 600 4.3 480x272 PIO3 CP	Marine Line	X	X
762-6302/8000-0002	TP 600 5.7 640x480 PIO3 CP	Marine Line	X	X
762-6303/8000-0002	TP 600 7.0 800x480 PIO3 CP	Marine Line	X	X
762-6304/8000-0002	TP 600 10.1 1280x800 PIO3 CP	Marine Line	X	X
752-8303/8000-0002	EC PIO3 C		X	X

X* = Can be added via DRM

For further information, please consult the Release Notes of PFC200

10.1   System

[FIXED]   WAT33116   Automatic login as root

Public

11. Firmware Release 03.06.12 (18)

Compatible from e!COCKPIT Version	1.8*

Affected articles/Available for			e!Runtime	
Article Number	Designation	Family	Target-Visu	PLC
762-4101	TP 600 4.3 480x272 PIO1 WP	Standard Line		
762-4102	TP 600 5.7 640x480 PIO1 WP	Standard Line		
762-4103	TP 600 7.0 800x480 PIO1 WP	Standard Line		
762-4104	TP 600 10.1 1280x800 PIO1 WP	Standard Line		
762-4201/8000-0001	TP 600 4.3 480x272 PIO2 VP	Standard Line	X	X*
762-4202/8000-0001	TP 600 5.7 640x480 PIO2 VP	Standard Line	X	X*
762-4203/8000-0001	TP 600 7.0 800x480 PIO2 VP	Standard Line	X	X*
762-4204/8000-0001	TP 600 10.1 1280x800 PIO2 VP	Standard Line	X	X*
762-4205/8000-0001	TP 600 15.6 1920x1080 PIO2 VP	Standard Line	X	X*
762-4206/8000-0001	TP 600 21.5 1920x1080 PIO2 VP	Standard Line	X	X*
762-4301/8000-0002	TP 600 4.3 480x272 PIO3 CP	Standard Line	X	X
762-4302/8000-0002	TP 600 5.7 640x480 PIO3 CP	Standard Line	X	X
762-4303/8000-0002	TP 600 7.0 800x480 PIO3 CP	Standard Line	X	X
762-4304/8000-0002	TP 600 10.1 1280x800 PIO3 CP	Standard Line	X	X
762-4305/8000-0002	TP 600 15.6 1920x1080 PIO2 CP	Standard Line	X	X*
762-4306/8000-0002	TP 600 21.5 1920x1080 PIO2 CP	Standard Line	X	X*
762-5203/8000-0001	TP 600 7.0 800x480 PIO2 VP	Advanced Line	X	X*
762-5204/8000-0001	TP 600 10.1 1280x800 PIO2 VP	Advanced Line	X	X*
762-5205/8000-0001	TP 600 15.6 1920x1080 PIO2 VP	Advanced Line	X	X*
762-5206/8000-0001	TP 600 21.5 1920x1080 PIO2 VP	Advanced Line	X	X*
762-5303/8000-0002	TP 600 7.0 800x480 PIO3 CP	Advanced Line	X	X
762-5304/8000-0002	TP 600 10.1 1280x800 PIO3 CP	Advanced Line	X	X
762-5305/8000-0002	TP 600 15.6 1920x1080 PIO2 CP	Advanced Line	X	X*
762-5306/8000-0002	TP 600 21.5 1920x1080 PIO2 CP	Advanced Line	X	X*
762-6201/8000-0001	TP 600 4.3 480x272 PIO2 VP	Marine Line	X	X*
762-6202/8000-0001	TP 600 5.7 640x480 PIO2 VP	Marine Line	X	X*
762-6203/8000-0001	TP 600 7.0 800x480 PIO2 VP	Marine Line	X	X*
762-6204/8000-0001	TP 600 10.1 1280x800 PIO2 VP	Marine Line	x	X*

762-6301/8000-0002	TP 600 4.3 480x272 PIO3 CP	Marine Line	X	X
762-6302/8000-0002	TP 600 5.7 640x480 PIO3 CP	Marine Line	X	X
762-6303/8000-0002	TP 600 7.0 800x480 PIO3 CP	Marine Line	X	X
762-6304/8000-0002	TP 600 10.1 1280x800 PIO3 CP	Marine Line	X	X
752-8303/8000-0002	EC PIO3 C		X	X

X* = Can be added via DRM

For further information, please consult the Release Notes of PFC200

11.1 System

[FIXED]   WAT32933   Runtime Start for Visu Panel Variant

[FIXED]   EMS Patch Edge Controller

12. Firmware Release 03.06.11 (18)

Compatible from e!COCKPIT Version	1.8*

For further information, please consult the Release Notes of PFC200

12.1 System

[FIXED]   Display freeze after screen care

13. Firmware Release 03.06.09 (18)

Compatible from e!COCKPIT Version	1.8*

Affected articles/Available for			e!Runtime	
Article Number	Designation	Family	Target-Visu	PLC
762-4101	TP 600 4.3 480x272 PIO1 WP	Standard Line		
762-4102	TP 600 5.7 640x480 PIO1 WP	Standard Line		
762-4103	TP 600 7.0 800x480 PIO1 WP	Standard Line		
762-4104	TP 600 10.1 1280x800 PIO1 WP	Standard Line		
762-4201/8000-0001	TP 600 4.3 480x272 PIO2 VP	Standard Line	X	X*
762-4202/8000-0001	TP 600 5.7 640x480 PIO2 VP	Standard Line	X	X*
762-4203/8000-0001	TP 600 7.0 800x480 PIO2 VP	Standard Line	X	X*
762-4204/8000-0001	TP 600 10.1 1280x800 PIO2 VP	Standard Line	X	X*
762-4205/8000-0001	TP 600 15.6 1920x1080 PIO2 VP	Standard Line	X	X*
762-4206/8000-0001	TP 600 21.5 1920x1080 PIO2 VP	Standard Line	X	X*
762-4301/8000-0002	TP 600 4.3 480x272 PIO3 CP	Standard Line	X	X
762-4302/8000-0002	TP 600 5.7 640x480 PIO3 CP	Standard Line	X	X
762-4303/8000-0002	TP 600 7.0 800x480 PIO3 CP	Standard Line	X	X
762-4304/8000-0002	TP 600 10.1 1280x800 PIO3 CP	Standard Line	X	X
762-4305/8000-0002	TP 600 15.6 1920x1080 PIO2 CP	Standard Line	X	X*
762-4306/8000-0002	TP 600 21.5 1920x1080 PIO2 CP	Standard Line	X	X*
762-5203/8000-0001	TP 600 7.0 800x480 PIO2 VP	Advanced Line	X	X*
762-5204/8000-0001	TP 600 10.1 1280x800 PIO2 VP	Advanced Line	X	X*
762-5205/8000-0001	TP 600 15.6 1920x1080 PIO2 VP	Advanced Line	X	X*
762-5206/8000-0001	TP 600 21.5 1920x1080 PIO2 VP	Advanced Line	X	X*
762-5303/8000-0002	TP 600 7.0 800x480 PIO3 CP	Advanced Line	X	X
762-5304/8000-0002	TP 600 10.1 1280x800 PIO3 CP	Advanced Line	X	X
762-5305/8000-0002	TP 600 15.6 1920x1080 PIO2 CP	Advanced Line	X	X*
762-5306/8000-0002	TP 600 21.5 1920x1080 PIO2 CP	Advanced Line	X	X*
762-6201/8000-0001	TP 600 4.3 480x272 PIO2 VP	Marine Line	X	X*
762-6202/8000-0001	TP 600 5.7 640x480 PIO2 VP	Marine Line	X	X*
762-6203/8000-0001	TP 600 7.0 800x480 PIO2 VP	Marine Line	X	X*
762-6204/8000-0001	TP 600 10.1 1280x800 PIO2 VP	Marine Line	x	X*

762-6301/8000-0002	TP 600 4.3 480x272 PIO3 CP	Marine Line	X	X
762-6302/8000-0002	TP 600 5.7 640x480 PIO3 CP	Marine Line	X	X
762-6303/8000-0002	TP 600 7.0 800x480 PIO3 CP	Marine Line	X	X
762-6304/8000-0002	TP 600 10.1 1280x800 PIO3 CP	Marine Line	X	X
752-8303/8000-0002	EC PIO3 C		X	X

X* = Can be added via DRM

For further information, please consult the Release Notes of PFC200

13.1 Devices

[New]   Support of Edge Controller

13.2 System

[NEW]   Integration of additional MicroBrowser for CS2.3 support (License required, TP600 only)

[NEW]   Front LED can be disabled via WBM

[NEW]   WBM: Brightness & Automatically Day/Night Control

[NEW]   WBM: Font Upload

[NEW]   WBM: Acoustic Signal

13.3 Runtime System

[NEW]   e!RUNTIME Upgrade to Version 3.5.15.4

Public

14. Firmware Release 03.05.10 (17)

Compatible from e!COCKPIT Version	1.7*

*Service Pack 1 (2020-07) required

Affected articles/Available for			e!Runtime	
Article Number	**Designation**	**Family**	**Target-Visu**	**PLC**
762-4101	TP 600 4.3 480x272 PIO1 WP	Standard Line		
762-4102	TP 600 5.7 640x480 PIO1 WP	Standard Line		
762-4103	TP 600 7.0 800x480 PIO1 WP	Standard Line		
762-4104	TP 600 10.1 1280x800 PIO1 WP	Standard Line		
762-4201/8000-0001	TP 600 4.3 480x272 PIO2 VP	Standard Line	X	X*
762-4202/8000-0001	TP 600 5.7 640x480 PIO2 VP	Standard Line	X	X*
762-4203/8000-0001	TP 600 7.0 800x480 PIO2 VP	Standard Line	X	X*
762-4204/8000-0001	TP 600 10.1 1280x800 PIO2 VP	Standard Line	X	X*
762-4205/8000-0001	TP 600 15.6 1920x1080 PIO2 VP	Standard Line	X	X*
762-4206/8000-0001	TP 600 21.5 1920x1080 PIO2 VP	Standard Line	X	X*
762-4301/8000-0002	TP 600 4.3 480x272 PIO3 CP	Standard Line	X	X
762-4302/8000-0002	TP 600 5.7 640x480 PIO3 CP	Standard Line	X	X
762-4303/8000-0002	TP 600 7.0 800x480 PIO3 CP	Standard Line	X	X
762-4304/8000-0002	TP 600 10.1 1280x800 PIO3 CP	Standard Line	X	X
762-4305/8000-0002	TP 600 15.6 1920x1080 PIO2 CP	Standard Line	X	X*
762-4306/8000-0002	TP 600 21.5 1920x1080 PIO2 CP	Standard Line	X	X*
762-5203/8000-0001	TP 600 7.0 800x480 PIO2 VP	Advanced Line	X	X*
762-5204/8000-0001	TP 600 10.1 1280x800 PIO2 VP	Advanced Line	X	X*
762-5205/8000-0001	TP 600 15.6 1920x1080 PIO2 VP	Advanced Line	X	X*
762-5206/8000-0001	TP 600 21.5 1920x1080 PIO2 VP	Advanced Line	X	X*
762-5303/8000-0002	TP 600 7.0 800x480 PIO3 CP	Advanced Line	X	X
762-5304/8000-0002	TP 600 10.1 1280x800 PIO3 CP	Advanced Line	X	X
762-5305/8000-0002	TP 600 15.6 1920x1080 PIO2 CP	Advanced Line	X	X*
762-5306/8000-0002	TP 600 21.5 1920x1080 PIO2 CP	Advanced Line	X	X*
762-6201/8000-0001	TP 600 4.3 480x272 PIO2 VP	Marine Line	X	X*
762-6202/8000-0001	TP 600 5.7 640x480 PIO2 VP	Marine Line	X	X*
762-6203/8000-0001	TP 600 7.0 800x480 PIO2 VP	Marine Line	X	X*
762-6204/8000-0001	TP 600 10.1 1280x800 PIO2 VP	Marine Line	x	X*

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762-6301/8000-0002	TP 600 4.3 480x272 PIO3 CP	Marine Line	X	X
762-6302/8000-0002	TP 600 5.7 640x480 PIO3 CP	Marine Line	X	X
762-6303/8000-0002	TP 600 7.0 800x480 PIO3 CP	Marine Line	X	X
762-6304/8000-0002	TP 600 10.1 1280x800 PIO3 CP	Marine Line	X	X

X* = Can be added via DRM

For further information, please consult the Release Notes of PFC200

14.1 System

[FIXED]   WAT31551   Browser exits fullscreen mode during wipe movements

[FIXED]   WAT31654   Wrong name in the Codesys tree for English language settings

[NEW]   WBM-NG: Extension by the area "Package Server"

[NEW]   WBM-NG: Password length increased to maximum 100 characters

[NEW]   WBM: Discontinuation of legacy WBM

Public

15. Firmware Release 03.04.10 (16)

Compatible from e!COCKPIT Version	1.7

Affected articles/Available for			e!Runtime	
Article Number	**Designation**	**Family**	**Target-Visu**	**PLC**
762-4101	TP 600 4.3 480x272 PIO1 WP	Standard Line		
762-4102	TP 600 5.7 640x480 PIO1 WP	Standard Line		
762-4103	TP 600 7.0 800x480 PIO1 WP	Standard Line		
762-4104	TP 600 10.1 1280x800 PIO1 WP	Standard Line		
762-4201/8000-0001	TP 600 4.3 480x272 PIO2 VP	Standard Line	X	X*
762-4202/8000-0001	TP 600 5.7 640x480 PIO2 VP	Standard Line	X	X*
762-4203/8000-0001	TP 600 7.0 800x480 PIO2 VP	Standard Line	X	X*
762-4204/8000-0001	TP 600 10.1 1280x800 PIO2 VP	Standard Line	X	X*
762-4205/8000-0001	TP 600 15.6 1920x1080 PIO2 VP	Standard Line	X	X*
762-4301/8000-0002	TP 600 4.3 480x272 PIO3 CP	Standard Line	X	X
762-4302/8000-0002	TP 600 5.7 640x480 PIO3 CP	Standard Line	X	X
762-4303/8000-0002	TP 600 7.0 800x480 PIO3 CP	Standard Line	X	X
762-4304/8000-0002	TP 600 10.1 1280x800 PIO3 CP	Standard Line	X	X
762-4305/8000-0002	TP 600 15.6 1920x1080 PIO2 CP	Standard Line	X	X*
762-5203/8000-0001	TP 600 7.0 800x480 PIO2 VP	Advanced Line	X	X*
762-5204/8000-0001	TP 600 10.1 1280x800 PIO2 VP	Advanced Line	X	X*
762-5205/8000-0001	TP 600 15.6 1920x1080 PIO2 VP	Advanced Line	X	X*
762-5303/8000-0002	TP 600 7.0 800x480 PIO3 CP	Advanced Line	X	X
762-5304/8000-0002	TP 600 10.1 1280x800 PIO3 CP	Advanced Line	X	X
762-5305/8000-0002	TP 600 15.6 1920x1080 PIO2 CP	Advanced Line	X	X*
762-6201/8000-0001	TP 600 4.3 480x272 PIO2 VP	Marine Line	X	X*
762-6202/8000-0001	TP 600 5.7 640x480 PIO2 VP	Marine Line	X	X*
762-6203/8000-0001	TP 600 7.0 800x480 PIO2 VP	Marine Line	X	X*
762-6204/8000-0001	TP 600 10.1 1280x800 PIO2 VP	Marine Line	x	X*
762-6301/8000-0002	TP 600 4.3 480x272 PIO3 CP	Marine Line	X	X
762-6302/8000-0002	TP 600 5.7 640x480 PIO3 CP	Marine Line	X	X
762-6303/8000-0002	TP 600 7.0 800x480 PIO3 CP	Marine Line	X	X
762-6304/8000-0002	TP 600 10.1 1280x800 PIO3 CP	Marine Line	X	X

X* = Can be added via DRM

For further information, please consult the Release Notes of PFC200

15.1   Devices

[New]   Devices with 15.6" and 21.5" diameter in Standard & Advanced
                         Line (762-xx05/xxxx-xxxx and 762-xx06/xxxx-xxxx)

15.2   System

[NEW]   WAT31476   Extension of the virtual keyboard with additional special characters

[NEW]   Added new functionalities in the WBM

                         Status
                         SNMP
                         Mass Storage
                         AIDE
                         Serial Interface
                         OPC UA

[FIXED]   Missing Parameter in Backup & Restore

15.3   Runtime System

[NEW]   Activation of the Multi Core functionality: Runtime can use all cores of the
                         device

[FIXED]   WAT30003   Unclear display of a WebVisu using the browser element in a TargetVisu

15.4   Fieldbus Interface & Protocols

[NEW]   Add BACnet Support for Control Panel Devices (762-430X/8000-002, 762-
                         530X/8000-002)

Public

Public

16. Firmware Release 03.03.10 (15)

| Compatible from e!COCKPIT Version | 1.6.1 |

Affected articles/Available for			e!Runtime	
Article Number	**Designation**	**Family**	**Target-Visu**	**PLC**
762-4101	TP 600 4.3 480x272 PIO1 WP	Standard Line		
762-4102	TP 600 5.7 640x480 PIO1 WP	Standard Line		
762-4103	TP 600 7.0 800x480 PIO1 WP	Standard Line		
762-4104	TP 600 10.1 1280x800 PIO1 WP	Standard Line		
762-4201/8000-0001	TP 600 4.3 480x272 PIO2 VP	Standard Line	X	X*
762-4202/8000-0001	TP 600 5.7 640x480 PIO2 VP	Standard Line	X	X*
762-4203/8000-0001	TP 600 7.0 800x480 PIO2 VP	Standard Line	X	X*
762-4204/8000-0001	TP 600 10.1 1280x800 PIO2 VP	Standard Line	X	X*
762-4301/8000-0002	TP 600 4.3 480x272 PIO3 CP	Standard Line	X	X
762-4302/8000-0002	TP 600 5.7 640x480 PIO3 CP	Standard Line	X	X
762-4303/8000-0002	TP 600 7.0 800x480 PIO3 CP	Standard Line	X	X
762-4304/8000-0002	TP 600 10.1 1280x800 PIO3 CP	Standard Line	X	X
762-5203/8000-0001	TP 600 7.0 800x480 PIO2 VP	Advanced Line	X	X*
762-5204/8000-0001	TP 600 10.1 1280x800 PIO2 VP	Advanced Line	X	X*
762-5303/8000-0002	TP 600 7.0 800x480 PIO3 CP	Advanced Line	X	X
762-5304/8000-0002	TP 600 10.1 1280x800 PIO3 CP	Advanced Line	X	X
762-6201/8000-0001	TP 600 4.3 480x272 PIO2 VP	Marine Line	X	X*
762-6202/8000-0001	TP 600 5.7 640x480 PIO2 VP	Marine Line	X	X*
762-6203/8000-0001	TP 600 7.0 800x480 PIO2 VP	Marine Line	X	X*
762-6204/8000-0001	TP 600 10.1 1280x800 PIO2 VP	Marine Line	x	X*
762-6301/8000-0002	TP 600 4.3 480x272 PIO3 CP	Marine Line	X	X
762-6302/8000-0002	TP 600 5.7 640x480 PIO3 CP	Marine Line	X	X
762-6303/8000-0002	TP 600 7.0 800x480 PIO3 CP	Marine Line	X	X
762-6304/8000-0002	TP 600 10.1 1280x800 PIO3 CP	Marine Line	X	X

X* = Can be added via DRM

For further information, please consult the Release Notes of PFC200

16.1 System

[FIXED]   WAT31102   Improved robustness by heavy ethernet traffic.

Public

17. Firmware Release 03.03.10 (15)

Compatible from e!COCKPIT Version	1.6.1

For further information, please consult the Release Notes of PFC200

17.1 Devices

[New]
Marine Line Control Panel
0762-6301/8000-0002 – 0762-6304/8000-0002

17.2 System

[New]
Added new pages to WBM on TP devices:

Firewall
Upload Certificates
OpenVPN/IPsec
DNS-Server-Configuration
Routing
PLC-Runtime-3, Configuration + Information
PLC-Runtime-Server-Configuration
Diagnose
DNS-Server-Configuration
DHCP-Server-Configuration
Modbus-Server-Configuration

[KNOWN]
Fallback to Default-IP-Settings in case of "illegal" separated network config after reboot

[NEW]
Browser Element usable in Target Visu

18. Firmware Release 03.02.04 (14)

Compatible from e!COCKPIT Version	1.6

For further information, please consult the Release Notes of PFC200

18.1   System

[FIXED]	WAT27249	Limited functionality of USB-Mouse
	WAT28652	

[FIXED]	WAT30280	Multitouch Inputs in CoDeSys Target Visu

18.2   Runtime System

[NEW]		e!RUNTIME Upgrade to Version 3.5.14.3

Public

19. Firmware Release 03.01.07 (13)

| Compatible from e!COCKPIT Version | 1.5.1 |

For further information, please consult the Release Notes of PFC200

19.1 System

[NEW]   Screen calibration gets stored after FW update

19.2 Runtime System

[FIXED]   RS232/485 not supported for IEC

[NEW]   PLC function on Visu Panel (DRM)

19.3 Fieldbus Interface & Protocols

[NEW]   EtherCAT Master

Public

20. Firmware Release 03.00.39 (12)

| Compatible from e!COCKPIT Version | 1.5 |

20.1 System

[NEW]   Configuration of start page using new WBM

20.2 Runtime System

[FIXED]   WAT29077   WP: No reaction on Touch Events till opening of the drop down menu

20.3 Operating System

[NEW]   Kernel Update to version 4.9.146

20.4 Libraries

[NEW]   SQlite Databas Management System (including IEC Library) and
                               websockets (usable with DRM (included in upcoming e!COCKPIT update))

Public

21. Firmware Release 03.00.35 (12)

This firmware will be released via GitHub:

For further information, please consult the Release Notes of PFC200

21.1 System

[NEW]	First release

21.2 Runtime System

[NEW]		First release
[KNOWN]		RS232/485 not supported for IEC
[KNOWN]	WAT28453	Touch events are stored when PLC is in STOP and get executed when PLC turns to RUN
[KNOWN]	WAT29077	WP: No reaction on Touch Events till opening of the drop down menu

21.3 Operating System

[NEW]	First Release

21.4 Fieldbus Interface & Protocols

[KNOWN]	WAT29061	ReadWrite doesn´t work properly using Modbus for Visu Panel