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1. Firmware Release 04.06.03 (28)

Compatible with CODESYS Version	CODESYS 64 - 3.5.19.7
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Affected articles/Available for	
Article Number	Designation
751-9301	Compact Controller 100
751-9401	Compact Controller 100
751-9402	Compact Controller 100
751-9402/000-001	Compact Controller 100

This firmware will be released via GitHub: <https://github.com/WAGO>

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

1.1 System

[NEW]	With FW28, CC100 with part numbers 751-9402 and 751-9402/000-001 are supported.
[NEW]	751-9402, 751-9402/000-001: Configuration of the on-board I/Os enabled with engineering tools using the WDx interface

1.2 Runtime System

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1.3 Web Based Management

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2. Firmware Release 04.05.10 (27)

Compatible with CODESYS Version	CODESYS 64 - 3.5.19.7
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Affected articles/Available for	
Article Number	Designation
751-9301	Compact Controller 100
751-9401	Compact Controller 100

This firmware will be released via GitHub: <https://github.com/WAGO>

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

2.1 System

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2.2 Runtime System

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2.3 Web Based Management

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3. Firmware Release 04.04.03 (26)

Compatible with CODESYS Version	CODESYS 64 - 3.5.19.2
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Affected articles/Available for	
Article Number	Designation
751-9301	Compact Controller 100
751-9401	Compact Controller 100

This firmware will be released via GitHub: <https://github.com/WAGO>

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

3.1 System

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2.2 Runtime System

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2.3 Web Based Management

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2 Firmware Release 04.03.03 (25)

Compatible with CODESYS Version	CODESYS 64 - 3.5.18.4
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Affected articles/Available for	
Article Number	Designation
751-9301	Compact Controller 100
751-9401	Compact Controller 100

This firmware will be released via GitHub: <https://github.com/WAGO>

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

3.2 System

[NEW]

With FW25, the CC100 with part number 751-9401 is supported. Please note that only baud rates up to 500kBit/s are supported.

3.3 Runtime System

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3.4 Web Based Management

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4. Firmware Release 04.02.13 (24)

Compatible with CODESYS Version	CODESYS 64 - 3.5.18.2
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Affected articles/Available for	
Article Number	Designation
751-9301	Compact Controller 100

This firmware will be released via GitHub: <https://github.com/WAGO>

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

4.1 System

[FIXED] WAT-35197 Fixed a problem related to the dnsmasq DHCP server that resulted in no connection over USB when using a cloned SD card.

4.2 Runtime System

[FIXED] WAT-35177 "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.

[FIXED] WAT-35196 CC100: Process image values in first cycle after power off / on.

[FIXED] WAT-35305 CC100: Output stateLED and controlbyte differs.

4.3 Web Based Management

[FIXED] WAT35149 In WBM it is not possible to start a restore of the system package if the device has booted from the memory card.

5. Firmware Release 04.10.01 (23)

Compatible from CODESYS Version	3.5.17.3
WAGO Devices and Libraries	WAGO_Devices_and_Libraries_2.0.0.8.package
WAGO Licensing	Wago-Licensing-1.0.1.1.package
WAGO Telecontrol	WAGO_Telecontrol-1.3.6.0.package
WAGO VisuStyle	WAGO_FlatStyle_Addon_1.0.0.2.package

Affected articles/Available for	
Article Number	Designation
751-9301	Compact Controller 100

This firmware will be released via GitHub: <https://github.com/WAGO>

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

5.1 System

FIXED	WAT34244	Backup&Restore: Backups created via the WBM can be used for restore.
FIXED	WAT34726	Firewall: Added option in WBM/Interface configuration to disable IO Check.
FIXED	WAT34998	Sporadic exception in Codesys application / IoDrvDal fixed.
FIXED	WAT34732	Restarts caused by multiple actuation of the operating mode switch fixed.

5.2 Runtime System

[KNOWN]	WAT-35177	“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.
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5.3 Fieldbus Interface & Protocols

[NEW]	The CC100 now supports the BACnet protocol. WAGO BACnet Configurator Version 2.3 is required.
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5.4 Functional change

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5.5 Beta functionalities

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6. Firmware Release 03.09.07 (21)

Compatible from CODESYS Version	3.5.16.3
Codesys Package Version	WAGO_751_Controller_03.09.04_FW21.package WAGO_Library_2022-02-23.package
Affected articles/Available for	
Article Number	Designation
751-9301	Compact Controller 100

This firmware will be released via GitHub: <https://github.com/WAGO>

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

6.1 System

[NEW] WAT34471 Updated ca-certificates to version NSS_3_78_RTM

6.2 Runtime System

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6.3 Fieldbus Interface & Protocols

[NEW] Codesys EtherNet/IP Adapter activated

[NEW] Codesys EtherNet/IP Scanner activated

[NEW] Codesys EtherCAT Master activated

6.4 Functional change

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6.5 Beta functionalities

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7. Firmware Release 03.09.04 (21)

Compatible from CODESYS Version	3.5.16.3
Codesys Package Version	WAGO_751_Controller_03.09.04_FW21.package WAGO_Library_2022-02-23.package
Affected articles/Available for	
Article Number	Designation
751-9301	Compact Controller 100

This firmware will be released via GitHub: <https://github.com/WAGO>

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

7.1 System

[FIXED]	WAT34284	CVE-2022-0847 Kernel bug "Dirty Pipe" enables root rights has been fixed
[FIXED]	WAT33535	WBM Diagnostic Information regarding Profinet has been removed
[FIXED]	WAT33872	SD card image size has been reduced by 50%
[FIXED]	WAT33873	Reading/writing to an SD card has been significantly increased.
[FIXED]	WAT33997	After removing a USB connection (physical disconnect), reconnection is possible without reboot.

7.2 Runtime System

[FIXED]	WAT34001	the Codesys raw values of the RTD inputs now represent the connected resistance value
[FIXED]	WAT34003	Control of the USR LED via IEC-Lib WagoAppAppLED possible
[FIXED]	WAT34012	Transitions/events of the operating mode switch (between RUN/STOP) are reliably detected.
[FIXED]	WAT34070	Switching the operating mode switch several times does not restart the unit, anymore

7.3 Fieldbus Interface & Protocols

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7.4 Functional change

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7.5 Beta functionalities

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8. Firmware Release 03.08.08 (20)

Compatible from CODESYS Version	3.5.16.3
Codesys Package Version	WAGO_751_Controller_03.08.07_FW20.package WAGO_Library_2021-11-25.package
Affected articles/Available for	
Article Number	Designation
751-9301	Compact Controller 100

This firmware will be released via GitHub: <https://github.com/WAGO>

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

9. Firmware Release 03.08.07 (20)

Compatible from CODESYS Version	3.5.16.3
Codesys Package Version	WAGO_751_Controller_03.08.07_FW20.package WAGO_Library_2021-11-25.package
Affected articles/Available for	
Article Number	Designation
751-9301	Compact Controller 100

This firmware will be released via GitHub: <https://github.com/WAGO>

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

9.1 System

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9.2 Runtime System

[FIXED]	WAT33744	New CODESYS Packages. Previous CODESYS Packages is marked as debug version and shall therefore be uninstalled.
[FIXED]	WAT33766	Create image using WBM SD card (Ext4) applicable.
[FIXED]	WAT33761	WBM CreateImage -> create bootable SD card image Option "Reduce to content" applicable.
[FIXED]	WAT33742	Evoked warnings in device tree will no longer be present and status message for Common.PCI is no longer displayed.

[FIXED] WAT33669 SD card formattable to FAT or Ext4 via the WBM.

9.3 Fieldbus Interface & Protocols

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9.4 Functional change

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9.5 Beta functionalities

[BETA] Integration of Docker Daemon. IPK Software upload via WBM.
Remains the same as with previous Firmware of CC100.
Now, Difference to PFC200 / FW 03.08.07 (20)

10. Firmware Release 03.07.17 (19)

Compatible from CODESYS Version	3.5.16.3
Codesys Package Version	WAGO_751_Controller_03.07.17_FW19.package WAGO_Library_2021-09-16.package
Affected articles/Available for	
Article Number	Designation
751-9301	Compact Controller 100

10.1 System

[NEW] Firmware released first time

The Release Note(s) and the corresponding update(s) are provided free of charge. The statutory warranty and liability regulations of §§ 521, 523 BGB apply to possible errors in the Release Note(s) or possible defects in the update (CISG is excluded). The update(s) is (are) intended to further enhance and / or to enrich our product(s), but does not mean that the previous software version was defective. In order to benefit from the improvements, we generally recommend the implementation of the update(s), but we cannot assume the final responsibility for the installation of the update(s) or their costs. Since we know neither the concrete application nor the individual conditions of use.