Automation Technology

Full Line Catalog, Volume 3 – Edition 2019/2020

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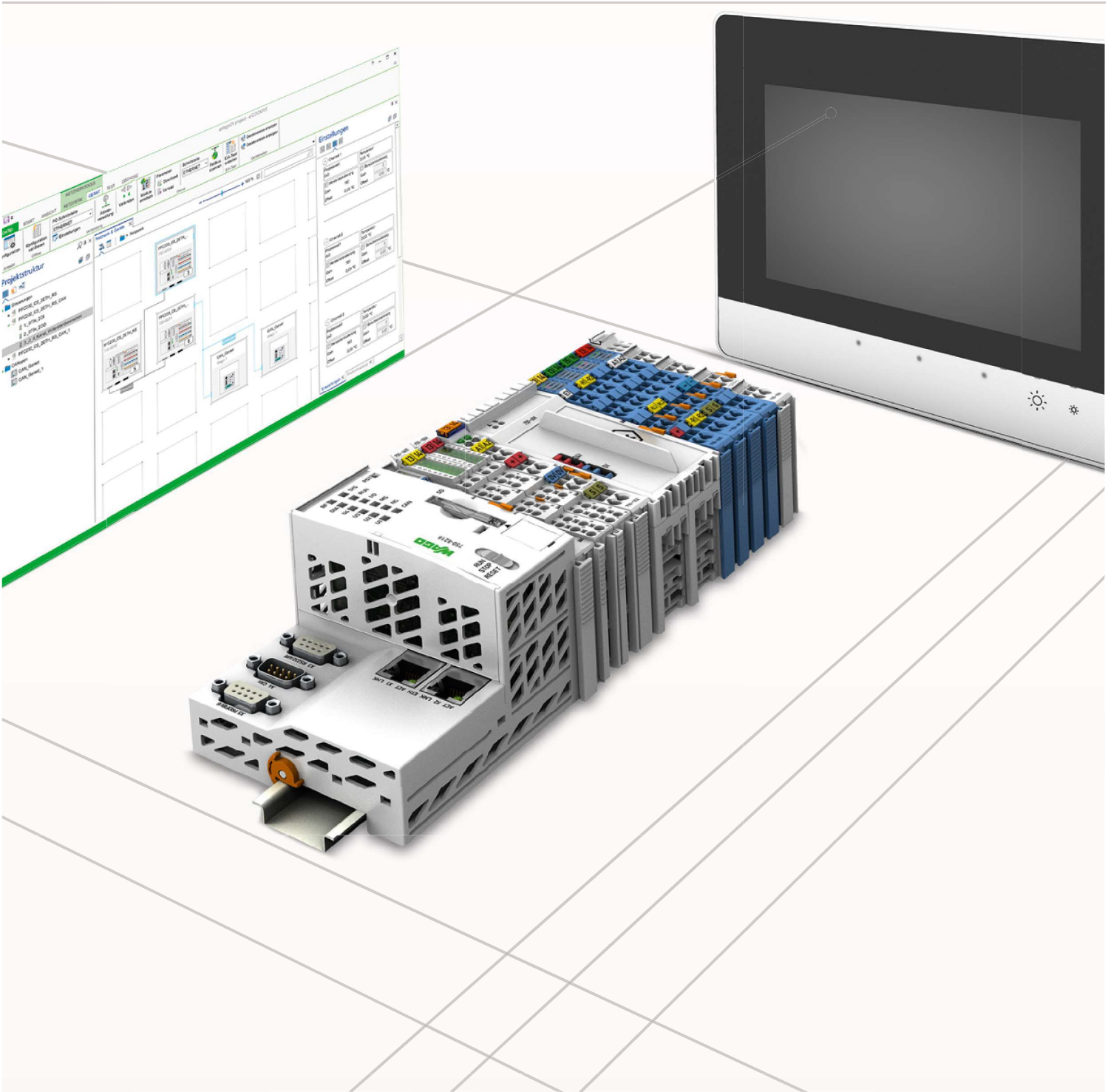

Operation and Monitoring

Touch Panels 600 Standard Line

- High-performance touch panels with resistive touch-screens
- 10.9 … 25.7 cm (4.3 … 10.1")
- Models include Control, Visu or Web Panel for display of ***e!COCKPIT*** visualizations

Touch Panels 600 Advanced Line

- High-performance touch panels with capacitive touch-screens and glass surfaces
- 18 … 25.7 cm (7 … 10.1")
- Models include Control or Visu Panel

Controllers PFC100/PFC200

- Maximum performance in a minimum space
- Also programmable in high-level languages based on Linux®
- Security packages with SSH and SSL/TLS
- Runtime system for CODESYS V2 (only PFC200) and V3

Section 4.1 ►

Touch Panels 600 Marine Line

- High-performance touch panels with resistive touch-screens
- Ideal for marine applications
- 10.9 … 25.7 cm (4.3 … 10.1")
- Models include Visu Panel

Touch Panels *e!DISPLAY 7300T*

- Touch panels with resistive touchscreens
- 10.9 … 25.7 cm (4.3 … 10.1")
- Models include Web Panel for display of CODESYS V2 or ***e!COCKPIT*** visualizations

Controllers PFC200 XTR

The advantages of WAGO's PFC Controllers combined with the capabilities for extreme environments:

- High processing speed
- Multiple interfaces
- eXTRemely robust and maintenance-free

Section 4.2 ►►

Operation and Monitoring
Contents

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	CPU	Web Browser	Modbus (TCP, UDP)	EtherNet/IP	CANopen	IoT Protocols	Description	Hardware	Item No.	
 **Touch Panels 600 Standard Line**	Cortex A9	x	M/S	S	M/S	x	Control Panel; 10.9 cm (4.3"); Resistive touchscreen	PIO3	**762-4301/8000-002**	58
		x	M/S	S	M/S	x	Control Panel; 14.5 cm (5.7"); Resistive touchscreen	PIO3	**762-4302/8000-002**	59
		x	M/S	S	M/S	x	Control Panel; 18 cm (7.0"); Resistive touchscreen	PIO3	**762-4303/8000-002**	60
		x	M/S	S	M/S	x	Control Panel; 25.7 cm (10.1"); Resistive touchscreen	PIO3	**762-4304/8000-002**	61
		x	M				Visu Panel; 10.9 cm (4.3"); Resistive touchscreen	PIO2	**762-4201/8000-001**	58
		x	M				Visu Panel; 14.5 cm (5.7"); Resistive touchscreen	PIO2	**762-4202/8000-001**	59
		x	M				Visu Panel; 18 cm (7.0"); Resistive touchscreen	PIO2	**762-4203/8000-001**	60
		x	M				Visu Panel; 25.7 cm (10.1"); Resistive touchscreen	PIO2	**762-4204/8000-001**	61
		x					Web Panel; 10.9 cm (4.3"); Resistive touchscreen	PIO1	**762-4101**	58
		x					Web Panel; 14.5 cm (5.7"); Resistive touchscreen	PIO1	**762-4102**	59
		x					Web Panel; 18 cm (7.0"); Resistive touchscreen	PIO1	**762-4103**	60
		x					Web Panel; 25.7 cm (10.1"); Resistive touchscreen	PIO1	**762-4104**	61
 **Touch Panels 600 Advanced Line**	Cortex A9	x	M/S	S	M/S	x	Control Panel; 18 cm (7.0"); Capacitive touchscreen with glass surface	PIO3	**762-5303/8000-002**	62
		x	M/S	S	M/S	x	Control Panel; 25.7 cm (10.1"); Capacitive touchscreen with glass surface	PIO3	**762-5304/8000-002**	63
		x	M				Visu Panel; 18 cm (7.0"); Capacitive touchscreen with glass surface	PIO2	**762-5203/8000-001**	62
		x	M				Visu Panel; 25.7 cm (10.1"); Capacitive touchscreen with glass surface	PIO2	**762-5204/8000-001**	63
 **Touch Panels 600 Marine Line**	Cortex A9	x	M				Visu Panel; 10.9 cm (4.3"); Resistive touchscreen, marine version	PIO2	**762-6201/8000-001**	64
		x	M				Visu Panel; 14.5 cm (5.7"); Resistive touchscreen, marine version	PIO2	**762-6202/8000-001**	64
		x	M				Visu Panel; 18 cm (7.0"); Resistive touchscreen, marine version	PIO2	**762-6203/8000-001**	65
		x	M				Visu Panel; 25.7 cm (10.1"); Resistive touchscreen, marine version	PIO2	**762-6204/8000-001**	65
 **Touch Panels *e!DISPLAY 7300T***	Cortex A8	x					Web Panel; 10.9 cm (4.3"); Resistive touchscreen	PIO1	**762-3000**	66
		x					Web Panel; 14.5 cm (5.7"); Resistive touchscreen	PIO1	**762-3001**	66
		x					Web Panel; 18 cm (7.0"); Resistive touchscreen	PIO1	**762-3002**	67
		x					Web Panel; 25.7 cm (10.1"); Resistive touchscreen	PIO1	**762-3003**	67
 **Accessories** Memory cards; Mounting sets										68

M: Master; S: Slave

Controllers PFC100/PFC200

Touch-Panel 600 Standard/Advanced Line; Hardware configuration Control Panel

- Merging of control and visualization
- 10.9 … 25.7 cm (4.3 … 10.1")

◄ Section 3

Controllers PFC200 XTR

The advantages of the PFC Controller combined with the capabilities for extreme environments:

- High processing speed
- Multiple interfaces
- eXTRemely robust and maintenance-free

Section 4.2 ►

Controllers 750 XTR

For demanding applications in which the following are critical:

- Extreme temperature stability
- Immunity to electromagnetic interference and impulse voltages
- Vibration and shock resistance

Section 4.4 ►►►

Controllers PFC100/PFC200

- Maximum performance in a minimum space
- Also programmable in high-level languages based on Linux®
- Security packages with SSH and SSL/TLS
- Runtime system for CODESYS V2 (only PFC200) and V3

Controllers 750

- Controllers for all prominent fieldbus systems
- Programmable to IEC 61131-3
- Combinable with the modules of the WAGO-I/O-SYSTEM 750

Section 4.3 ►►

Starter Kits

To get you up and running quickly, we offer starter kits to suit the most diverse applications:

- With Controller PFC100
- With Controller PFC200
- With Controller 750 ETHERNET
- With Controller 750 KNX IP or BACnet/IP

Section 4.5 ►►►►

Controllers PFC100/PFC200
Contents

	CPU	Modbus (TCP, UDP)	EtherNet/IP	EtherCAT	PROFINET	PROFIBUS	CANopen	Modbus RTU	Telecontrol protocols	IoT Protocols	Description	Item No. Default	Item No. Ext. Temperature	Page
	Cortex A8; 600 MHz	M/S	S							x	Controller PFC100; 2 x ETHERNET; Eco	750-8100		78
	Cortex A8; 600 MHz	M/S	S							x	Controller PFC100; 2 x ETHERNET	750-8101	750-8101/025-000	79
		M/S	S					x		x	Controller PFC100; 2 x ETHERNET, RS-232/-485	750-8102	750-8102/025-000	79
	Cortex A8; 1 GHz	M/S	S	M*				x		x	Controller PFC200; 2nd generation; 2 x ETHERNET, RS-232/-485	750-8212	750-8212/025-000	80
		M/S						x	x	x	Controller PFC200; 2nd generation; 2 x ETHERNET, RS-232/-485; Telecontrol technology		750-8212/025-001 750-8212/025-002	80
	Cortex A8; 1 GHz	M/S	S	M*			M/S			x	Controller PFC200; 2nd generation; 2 x ETHERNET, CAN, CANopen	750-8213		81
	Cortex A8; 1 GHz	M/S	S	M*			M/S	x		x	Controller PFC200; 2nd generation; 2 x ETHERNET, RS-232/-485, CAN, CANopen	750-8214		82
	Cortex A8; 1 GHz	M/S	S	M*	S		M/S			x	Controller PFC200; 2nd generation; 4 x ETHERNET, CAN, CANopen, USB	750-8215		83
	Cortex A8; 1 GHz	M/S	S	M*		S	M/S	x		x	Controller PFC200; 2nd generation; 2 x ETHERNET, RS-232/-485, CAN, CANopen, PROFIBUS Slave	750-8216	750-8216/025-000	84
		M/S				S	M/S	x	x	x	Controller PFC200; 2nd generation; 2 x ETHERNET, RS-232/-485, CAN, CANopen, PROFIBUS Slave; Telecontrol technology		750-8216/025-001	84
	Cortex A8; 600 MHz	M/S	S					x		x	Controller PFC200; 2 x ETHERNET, RS-232/-485, Mobile radio module	750-8207	750-8207/025-000	85
		M/S						x	x	x	Controller PFC200; 2 x ETHERNET, RS-232/-485, Mobile radio module; Telecontrol technology; Ext. temperature		750-8207/025-001	85
	Cortex A8; 600 MHz	M/S	S			M		x		x	Controller PFC200; 2 x ETHERNET, RS-232/-485, CAN, CANopen, PROFIBUS Master	750-8208	750-8208/025-000	86
		M/S				M		x	x	x	Controller PFC200; 2 x ETHERNET, RS-232/-485, CAN, CANopen, PROFIBUS Master; Telecontrol technology		750-8208/025-001	86
	Cortex A8; 600 MHz	M/S	S							x	Controller PFC100; FG0; 2 x ETHERNET	750-8101/000-010		89
	Cortex A8; 600 MHz	M/S	S					x		x	Controller PFC200; FG1; 2 x ETHERNET, RS-232/-485	750-8202/000-011		90
		M/S	S					x		x	Controller PFC200; FG2; 2 x ETHERNET, RS-232/-485	750-8202/000-012		91
		M/S	S					x		x	Controller PFC200; Energy data management application; 2 x ETHERNET; RS-232/-485	750-8202/000-022		92
	Cortex A8; 600 MHz	M/S	S					x		x	Controller PFC200; Energy data management application; 2 x ETHERNET, RS-232/-485; Mobile radio module	750-8207/000-022		93

M: Master, S: Slave; *requires an additional license

Controllers PFC200 XTR

Touch-Panel 600 Standard/Advanced Line; Hardware configuration Control Panel

- Merging of control and visualization
- 10.9 … 25.7 cm (4.3 … 10.1")

◄◄ Section 3

Controllers PFC200 XTR

The advantages of the PFC Controller combined with the capabilities for extreme environments:

- High processing speed
- Multiple interfaces
- eXTRemely robust and maintenance-free

Controllers 750 XTR

For demanding applications in which the following are critical:

- Extreme temperature stability
- Immunity to electromagnetic interference and impulse voltages
- Vibration and shock resistance

Section 4.4 ►►

Controllers PFC100/PFC200

- Maximum performance in a minimum space
- Also programmable in high-level languages based on Linux®
- Security packages with SSH and SSL/TLS
- Runtime system for CODESYS V2 (only PFC200) and V3

◄ Section 4.1

Controllers 750

- Controllers for all prominent fieldbus systems
- Programmable to IEC 61131-3
- Combinable with the modules of the WAGO-I/O-SYSTEM 750

Section 4.3 ►

Starter Kits

To get you up and running quickly, we offer starter kits to suit the most diverse applications:

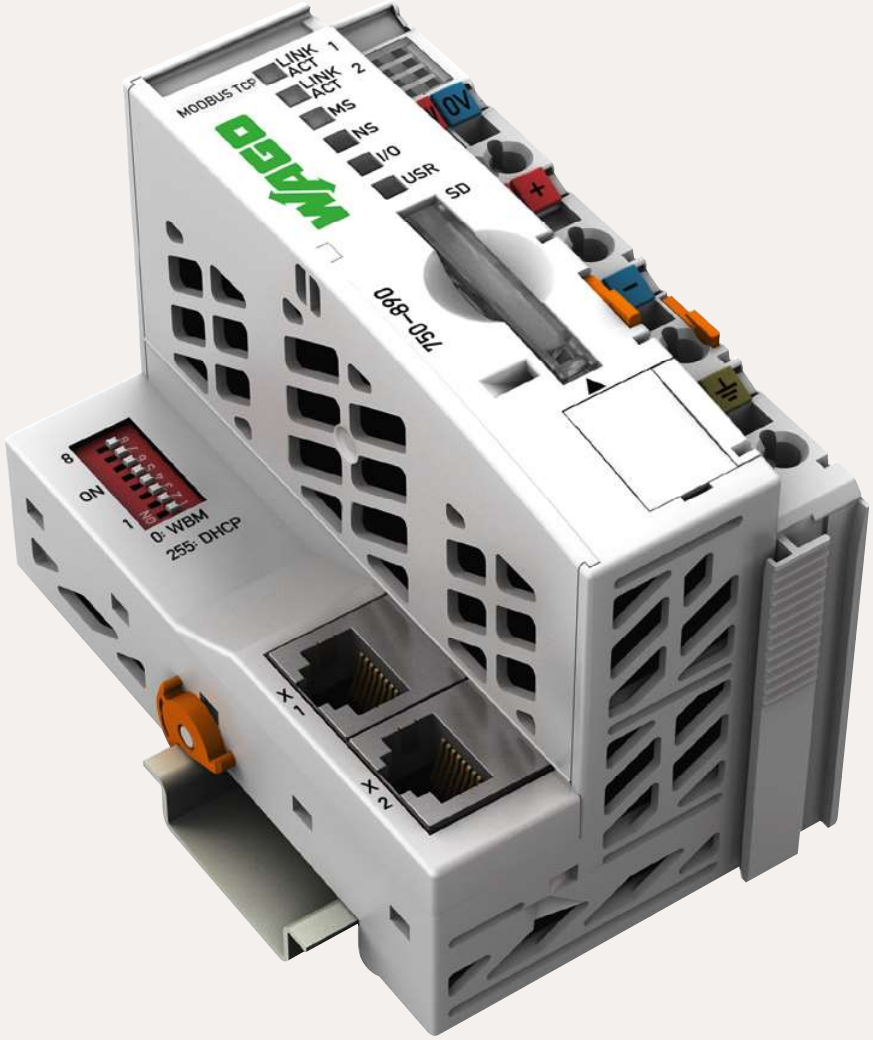
- With Controller PFC100
- With Controller PFC200
- With Controller 750 ETHERNET
- With Controller 750 KNX IP or BACnet/IP

Section 4.5 ►►►

Controllers PFC200 XTR
Contents

	CPU	Modbus (TCP, UDP)	EtherNet/IP	PROFIBUS	CANopen	Modbus RTU	Telecontrol Protocols: IEC 60870, IEC 61850/61400, DNP3	IoT Protocols: MQTT	Description	Item No.	
	Cortex A8; 600 MHz	M/S	S			x		x	Controller PFC200; 2 x ETHERNET, RS-232/-485; extreme	**750-8202/040-000**	100
	Cortex A8; 600 MHz	M/S	S			x	x	x	Controller PFC200; 2 x ETHERNET, RS-232/485; Telecontrol technology; extreme	**750-8202/040-001**	100
	Cortex A8; 600 MHz	M/S	S	S	M/S	x		x	Controller PFC200; 2 x ETHERNET, RS-232/-485, CAN, CANopen, PROFIBUS Slave; extreme	**750-8206/040-000**	101
	Cortex A8; 600 MHz	M/S	S	S	M/S	x	x	x	Controller PFC200; 2 x ETHERNET, RS-232/-485, CAN, CANopen, PROFIBUS Slave; Telecontrol technology; extreme	**750-8206/040-001**	101

M: Master, S: Slave



Controllers 750

Touch-Panel 600 Standard/Advanced Line; Hardware configuration Control Panel

- Merging of control and visualization
- 10.9 … 25.7 cm (4.3 … 10.1")

◄◄◄ Section 3

Controllers PFC200 XTR

The advantages of the PFC Controller combined with the capabilities for extreme environments:

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- Multiple interfaces
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◄ Section 4.2

Controllers 750 XTR

For demanding applications in which the following are critical:

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- Immunity to electromagnetic interference and impulse voltages
- Vibration and shock resistance

Section 4.4 ►

Controllers PFC100/PFC200

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- Also programmable in high-level languages based on Linux®
- Security packages with SSH and SSL/TLS
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◄◄ Section 4.1

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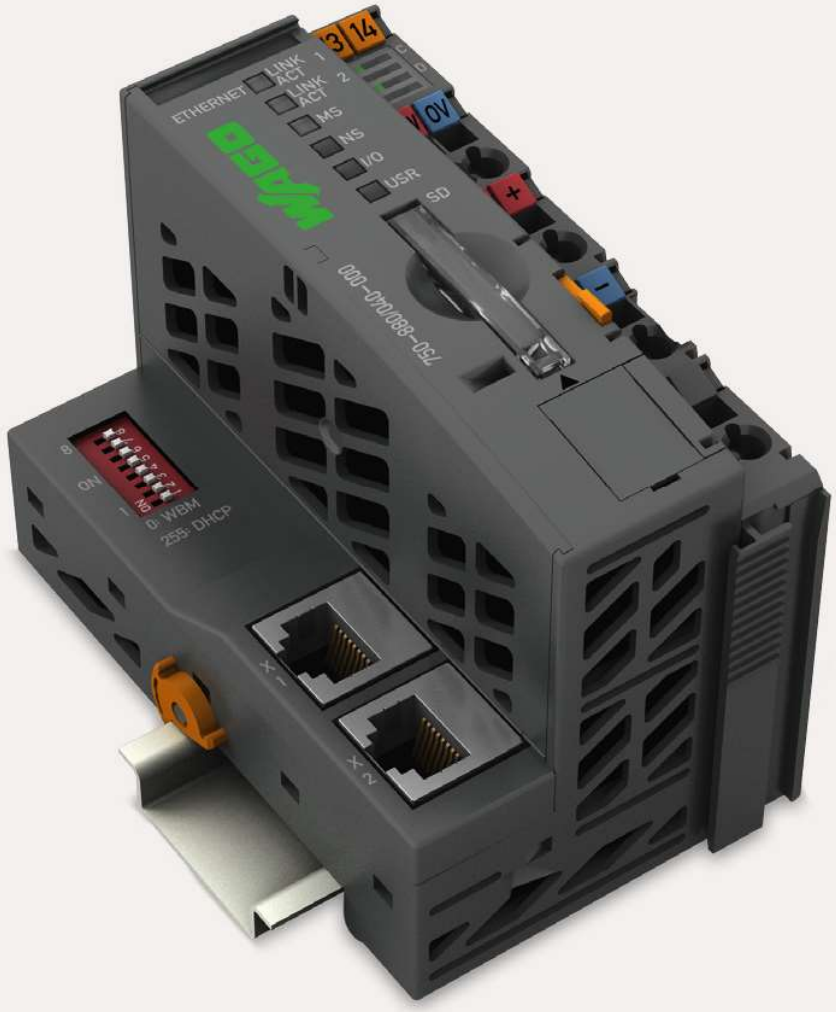
Section 4.5 ►►

Controllers 750
Contents

	CPU	ETHERNET: Modbus (TCP, UDP)	ETHERNET: EtherNet/IP	ETHERNET: BACnet/IP	ETHERNET: KNX IP	Modbus RTU	Telecontrol Protocols: IEC 60870, IEC 61850/61400, DNP3	BACnet MS/TP	DeviceNet	PROFIBUS	CANopen	Description	Item No. Default	Item No. Ext. Temperature	Page
	32 bits	M/S	S									Controller ETHERNET; 3rd generation; SD card slot	750-880	750-880/025-000	108
		M/S	S				x					Controller ETHERNET; 3rd generation; SD card slot; Telecontrol technology; Ext. temperature		750-880/025-001	108
		M/S	S				x					Controller ETHERNET; 3rd generation; SD card slot; Telecontrol technology; Ext. temperature; Eco		750-880/025-002	108
		M/S										Controller Modbus TCP; 4th generation; SD card slot	750-890		109
		M/S	S									Controller ETHERNET; 3rd generation	750-881		109
		M/S										Controller Modbus TCP; 4th generation	750-891		109
		M/S	S									Controller ETHERNET; 3rd generation; SD card slot; Media redundancy	750-885	750-885/025-000	110
		M/S	S									Controller ETHERNET; 3rd generation; Media redundancy	750-882		110
	32 bits	M/S	S									Controller ETHERNET; 3rd generation; Eco	750-852		111
		M/S										Controller Modbus TCP; 4th generation; Eco	750-862		111
	16 bits	M/S										Controller ETHERNET; 1st generation	750-842		112
		M/S										Controller ETHERNET; 1st generation; Eco	750-843		112
	32 bits	M/S			x							Controller KNX/IP	750-889		113
	32 bits	M/S		x								Controller BACnet/IP	750-831		114
		M/S		x								Controller BACnet/IP; Eco	750-831/000-002		114
	32 bits	M/S						x				Controller BACnet MS/TP	750-829		115
	16 bits								x			Controller DeviceNet	750-806		116
	16 bits					x						Controller MODBUS; RS-485; 115.2 kBd	750-815/300-000	750-815/325-000	117
						x						Controller MODBUS; RS-232; 115.2 kBd	750-816/300-000		117
	16 bits									S		Controller PROFIBUS Slave	750-833	750-833/025-000	118
	16 bits										M/S	Controller CANopen; 128/64 KB Program/RAM; *MCS*	750-837		119
											M/S	Controller CANopen; 640/832 KB Program/RAM; *MCS*	750-837/021-000		119
											M/S	Controller CANopen; 128/64 KB Program/RAM; D-Sub	750-838		119
											M/S	Controller CANopen; 640/832 KB Program/RAM; D-Sub	750-838/021-000		119

M: Master, S: Slave



Controllers 750 XTR

Touch-Panel 600 Standard/Advanced Line; Hardware configuration Control Panel

- Merging of control and visualization
- 10.9 … 25.7 cm (4.3 … 10.1")

◄◄◄◄ Section 3

Controllers PFC200 XTR

The advantages of the PFC Controller combined with the capabilities for extreme environments:

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◄◄ Section 4.2

Controllers 750 XTR

For demanding applications in which the following are critical:

- Extreme temperature stability
- Immunity to electromagnetic interference and impulse voltages
- Vibration and shock resistance

Controllers PFC100/PFC200

- Maximum performance in a minimum space
- Also programmable in high-level languages based on Linux®
- Security packages with SSH and SSL/TLS
- Runtime system for CODESYS V2 (only PFC200) and V3

◄◄◄ Section 4.1

Controllers 750

- Controllers for all prominent fieldbus systems
- Programmable to IEC 61131-3
- Combinable with the modules of the WAGO-I/O-SYSTEM 750

◄ Section 4.3

Starter Kits

To get you up and running quickly, we offer starter kits to suit the most diverse applications:

- With Controller PFC100
- With Controller PFC200
- With Controller 750 ETHERNET
- With Controller 750 KNX IP or BACnet/IP

Section 4.5 ►

Controllers 750 XTR
Contents

	ETHERNET						
CPU	Modbus (TCP, UDP)	EtherNet/IP	CANopen	Telecontrol Protocols: IEC 60870, IEC 61850/61400, DNP3	Description	Item No.	
 32 bits	M/S	S			Controller ETHERNET; 3rd generation; SD card slot; extreme	750-880/040-000	126
 32 bits	M/S	S		x	Controller ETHERNET; 3rd generation; SD card slot; Telecontrol technology; extreme	750-880/040-001	126
 32 bits			M/S		Controller CANopen; 640/832 KB Program/RAM; D-Sub; extreme	750-838/040-000	127

M: Master, S: Slave

I/O System – 750 and 753 Series, Fieldbus Couplers
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5.1 FC

I/O System – 750 and 753 Series, Digital Input Modules
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5.2 DI

I/O System – 750 and 753 Series, Digital Output Modules
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I/O-System – 750 and 753 Series; Analog Input Modules
Contents

I/O System – 750 and 753 Series; Analog Output Modules
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5.5 AO

I/O System – 750 and 753 Series; Function/Technology Modules
Contents

I/O-System – 750 and 753 Series, Communication Modules
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*This module is also available as a 750 XTR Series variant.

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I/O System – 750 and 753 Series, Functional Safety
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I/O System – 750 and 753 Series; Intrinsically Safe Modules Ex i
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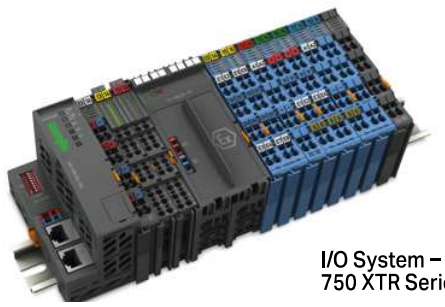

I/O System – 750 XTR Series

I/O System – 750 and 753 Series, Supply/Segment Modules
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I/O System – 750 XTR Series
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Industrial Switches

Industrial Switches

- Copper cables
- Fiber optic cables
- Ring redundancy

Industrial Switches
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