

Notes

Note Download and register the software: <link>Formular</link>

Technical data

Communications	Modbus (TCP, UDP) ETHERNET Modbus RTU RS-232 serial interface RS-485 interface EtherNet/IP™ Adapter (slave), library for <i>e!RUNTIME</i>
ETHERNET protocols	DHCP DNS NTP FTP FTPS SNMP HTTP HTTPS SSH
Visualization	Web-Visu
Operating system	Real-time Linux (with PREEMPT_RT patch)
CPU	Cortex A8; 600 MHz
Programming languages per IEC 61131-3	Instruction List (IL) Ladder Diagram (LD) Function Block Diagram (FBD) Structured Text (ST) Sequential Function Chart (SFC)
Programming environment	<i>e!COCKPIT</i> (based on CODESYS V3) WAGO-I/O-PRO V2.3 (based on CODESYS V2.3)
Configuration options	<i>e!COCKPIT</i> WAGO-I/O-CHECK Web-Based Management
Transmission rate	ETHERNET: 10/100 Mbit/s
Transmission medium (communication/fieldbus)	ETHERNET: Twisted pair S-UTP; 100 Ω; Cat. 5; 100 m maximum cable length
Main memory (RAM)	256 MB
Internal memory (flash)	256 MB
Non-volatile hardware memory	128 KB
Program memory	CODESYS V2: 16 MB; CODESYS V3: 60 MB (Program and data memory (dynamically distributed))
Data memory	CODESYS V2: 64 MB; CODESYS V3: 60 MB Program and data memory (dynamically distributed)
Non-volatile software memory	128 KB
Non-volatile software memory	128 KB
Type of memory card	SD and SDHC up to 32 GB (all guaranteed properties only valid with WAGO's memory card)
Memory Card Slot	Push-push mechanism; cover lid (sealable)
Number of modules per node (max.)	250
Number of modules without a bus extension (max.)	64
Input and output process image (internal) max.	1000 words/1000 words
Input and output process image (Modbus®) max.	CODESYS V2: 1000 words/1000 words
Indicators	LED (SYS, RUN, I/O, U1 ... U7) red/green/orange: Status of system, program, local data bus, status programmable by user (can be used via CODESYS library); LED (A, B) green: Status of system power supply, field supply
Supply voltage (system)	24 VDC (-25 ... +30 %); via pluggable connector (CAGE CLAMP® connection)
Input current (typ.) at nominal load (24 V)	550 mA
Total current (system supply)	1700 mA
Supply voltage (field)	24 VDC (-25 ... +30 %); via power jumper contacts
Current carrying capacity (power jumper contacts)	10 A
Number of outgoing power jumper contacts	3
Isolation	500 V system/field

Connection Data

Connection technology: communication/fieldbus	Modbus (TCP, UDP): 2 x RJ-45; Modbus RTU: 1 x D-sub 9 socket; RS-232 serial interface: 1 x D-sub 9 socket; RS-485 interface: 1 x D-sub 9 socket
Connection technology: system supply	2 x CAGE CLAMP®
Connection technology: field supply	6 x CAGE CLAMP®
Connection type	System/field supply
Solid conductor	0.08 ... 2.5 mm ² / 28 ... 14 AWG
Fine-stranded conductor	0.08 ... 2.5 mm ² / 28 ... 14 AWG
Strip length	8 ... 9 mm / 0.31 ... 0.35 inches
Connection technology: device configuration	1 x Male connector; 4-pole

Physical data

Width	78.6 mm / 3.094 inches
Height	100 mm / 3.937 inches
Depth	71.9 mm / 2.831 inches
Depth from upper-edge of DIN-rail	64.7 mm / 2.547 inches

Mechanical data

Mounting type	DIN-35 rail
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Material data

Color	light gray
Housing material	Polycarbonate; polyamide 6.6
Fire load	2.273 MJ
Weight	212 g
Conformity marking	CE

Environmental requirements

Ambient temperature (operation)	0 ... +55 °C
Ambient temperature (storage)	-25 ... +85 °C
Protection type	IP20
Pollution degree	2 per IEC 61131-2
Operating altitude	without temperature derating: 0 ... 2000 m; with temperature derating: 2000 ... 5000 m (0.5 K/100 m); 5000 m (max.)
Mounting position	Horizontal left, horizontal right, horizontal top, horizontal bottom, vertical top and vertical bottom
Relative humidity (without condensation)	95 %
Vibration resistance	4g per IEC 60068-2-6
Shock resistance	15g per IEC 60068-2-27
EMC immunity to interference	per EN 61000-6-2, marine applications
EMC emission of interference	per EN 61000-6-3, marine applications
Exposure to pollutants	per IEC 60068-2-42 and IEC 60068-2-43
Permissible H ₂ S contaminant concentration at a relative humidity 75 %	10 ppm
Permissible SO ₂ contaminant concentration at a relative humidity 75 %	25 ppm

Commercial data

PU (SPU)	1 pcs
Packaging type	Box
Country of origin	DE
GTIN	4055143544313
Customs tariff number	85371091990
End of Sale	2021-10-31
End of Production	2023-12-31
End of Delivery	2021-12-31
End of Service and Repair	2024-12-31

Product Classification

UNSPSC	32151705
eCl@ss 10.0	27-24-26-07
eCl@ss 9.0	27-24-26-07
ETIM 9.0	EC000236
ECCN	NO US CLASSIFICATION

Environmental Product Compliance

CAS-No.	12060-00-3 1303-86-2 1317-36-8 693-98-1 7439-92-1 79-94-7 80-05-7
REACH Candidate List Substance	2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol 2-methylimidazole 4,4'-isopropylidenediphenol Diboron trioxide Lead Lead monoxide Lead titanium oxide (PbTiO ₃)
RoHS Compliance Status	Compliant,With Exemption
RoHS Exemption	6(c) 7(a) 7(c)-I 7(c)-II
SCIP notification number (Austria)	9de20749-b3af-41f6-883d-6d11f0961c01
SCIP notification number (Belgium)	bf095b1d-b0f6-46d4-a420-e61953e90b9f
SCIP notification number (Bulgaria)	dd8c8696-bb60-4b08-a74a-3265c6b295f3
SCIP notification number (Czech Republic)	d4c85762-3ac8-4550-adc6-289867a2b863
SCIP notification number (Denmark)	37817a8e-7439-45f5-b0e4-86f5591c19c7
SCIP notification number (Finland)	9b21b82e-7e9c-4fac-86a0-1e47c5c1a062
SCIP notification number (France)	00a3089c-0238-49e3-bd44-9de862a00020
SCIP notification number (Germany)	895787b9-a16c-4357-99ed-0367bd496474
SCIP notification number (Hungary)	7a2a1509-a763-4a6a-ad75-9fcf1eb481f8
SCIP notification number (Italy)	a650bd7e-d6ab-4a00-9fd7-52635050be5c
SCIP notification number (Netherlands)	6b3f8b5a-4219-4410-a216-faaec3ec237b
SCIP notification number (Poland)	1a9ff32c-7d52-4d1a-99ca-1bb1bea696f2
SCIP notification number (Romania)	f3cca0bb-00a9-4fc0-8ee3-0f33baebd54c
SCIP notification number (Sweden)	4d3f7c91-c586-4dbf-aa1c-1aaa7a45adbb

Approvals / Certificates

General approvals



Approval	Standard	Certificate Name
KC National Radio Research Agency	Article 58-2, Clause 3	MSIP-REM-W43-PFC750

Declarations of conformity and manufacturer's declarations

Approval	Standard	Certificate Name
EU-Declaration of Conformity WAGO GmbH & Co. KG	-	-

Approvals for marine applications



Approval	Standard	Certificate Name
ABS American Bureau of Shipping	-	25-0415412
BSH Bundesamt fuer Seeschiff-fahrt und Hydrographie	-	1104
DNV DNV GL SE	DNV-CG-0339, Aug. 2021	TAA0000194
LR Lloyds Register EMEA	-	LR22180952TA
PRS Polski Rejestr Statków	-	TE/1101/880590/23

Approvals for hazardous areas



Approval	Standard	Certificate Name
ATEX TUEV Nord Cert GmbH	EN 60079-0	TUEV14ATEX148929X (II 3 G Ex ec IIC T4 Gc)
CCCEX CQST/CNEC	CNCA-C23-01	2020312310000213 (Ex ec IIC T4 Gc)
IECEX TUEV Nord Cert GmbH	IEC 60079-0	IECEX TUN 14.0035 X (Ex ec IIC T4 Gc)
INMETRO TÜV Rheinland do Brasil Lt-da.	IEC 60079-0	TÜV 12.1297 X
UKEX WAGO GmbH & Co. KG	EN 60079-0	UKCA_WA GO22UKEX003X_ec

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 750-8202/000-011	↓
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Documentation

Manual			
Product Manual PFC200 FGx 2ETH RS	V 1.2.0 15.11.2019	pdf 4873.26 KB	↓
Quickstart Reference flexROOM® Office Application	V 1.1.0	pdf 1493.38 KB	↓
Cyber Security for Controller PFC100 / PFC200	V 1.2.1 12.02.2025	pdf 3344.50 KB	↓
System Manual Series 750/753			↓

Compatibility Information			
Compatibility List DALI Sensors	V 1.2.4 19.02.2025	pdf 516.91 KB	↓

System Description			
Overview on WAGO-I/O-SYSTEM 750 approvals		pdf 770.48 KB	↓
Controller PFC100/200, General Product Information		pdf 578.66 KB	↓

Tutorial			
Establish connection to a controller using SSH	1.0 05.08.2017	mp4 28368.02 KB	↓
Set IP address with Ethernet Settings	3.0 18.12.2017	mp4 86272.82 KB	↓

Additional Information			
WAGO OPC UA Server	V 1.1.0 28.01.2021	pdf 1132.87 KB	↓

Bid Text			
750-8202/000-011	19.02.2019	xml 7.00 KB	↓
750-8202/000-011	10.01.2019	docx 26.10 KB	↓

Instruction Leaflet			
CCC Ex (Additional information)	26.04.2023	pdf 159.76 KB	↓
Beipackzettel Applikationscontroller		pdf 415.00 KB	↓

Application Notes

Application Note CoDeSys 2.3			
Application note for installing a MySQL-Server on a PFC-Controller	1.0.4 16.05.2019	zip 4392.22 KB	↓

Application Note e!COCKPIT			
eCOCKPIT application note installation MySQL-Server	1.0.3 09.09.2019	pdf 1868.46 KB	↓

CAD/CAE-Data

CAD data			
2D/3D Models 750-8202/000-011			↓

CAE data			
EPLAN Data Portal 750-8202/000-011			↓
WSCAD Universe 750-8202/000-011			↓

Runtime Software

Firmware			
Image Update (SD Karte) PFC100/200 für Codesys V2.3 u. E!cockpit	V 22 SP1 12.12.2022	zip 205815.20 KB	↓
WUP Update (WAGOU-uploadTool) PFC100/200 Codesys V2.3 u. E!cockpit	V 22 SP1 12.12.2022	zip 203580.70 KB	↓

Libraries

Library	Version	Format	Size	Download
WagoLibFTPS_01	1.17 09.11.2020	zip	401.90 KB	
Library WagoLib-Cloud_02.lib	2.2.4 21.01.2020	zip	56.21 KB	

1 Compatible Products

1.1 Optional Accessories

1.1.1 Application

1.1.1.1 Bus end module



Item No.: 750-600
End Module

1.1.1.2 DALI interface



Item No.: 753-647
DALI Multi-Master

1.1.1.3 Digital input



Item No.: 750-1405
16-channel digital input; 24 VDC; 3 ms

1.1.1.4 Digital output



Item No.: 750-1504
16-channel digital output; 24 VDC; 0.5 A

1.1.1.5 Serial interface



Item No.: 750-652
RS-232/485 Serial Interface

1.1.1.6 Serial Interface RS-232/485



Item No.: 750-652
RS-232/485 Serial Interface

1.1.2 Communication

1.1.2.1 Communication cable



Item No.: 750-923

Configuration cable; USB connector; Length: 2.5 m



Item No.: 750-923/000-001

Configuration cable; USB connector; Length: 5 m

1.1.2.2 Room control unit



Item No.: 2852-7112

SR04-P Room Control Unit, radio, wall, EnOcean



Item No.: 2852-7113

SR06 LCD Room Control Unit, radio, in-wall, EnOcean, 2 buttons

1.1.3 Memory card

1.1.3.1 Memory card



Item No.: 758-879/000-001

Memory Card SD; SLC-NAND; 2 GByte; Temperature from -40 to 90 °C

1.1.4 Power supply

1.1.4.1 Power Supply



Item No.: 787-1012

Switched-mode power supply; Compact; 1-phase; 24 VDC output voltage; 2.5 A output current

1.1.4.2 Supply module



Item No.: 753-620

DALI Multi-Master DC/DC Converter

1.1.5 Relay module

1.1.5.1 Relay module



Item No.: 788-354

Relay module; Nominal input voltage: 24 VDC; 1 changeover contact; Limiting continuous current: 16 A; for lamp loads; Red status indicator; Module width: 15 mm; 2,50 mm²; gray



Item No.: 788-304

Relay module; Nominal input voltage: 24 VDC; 1 changeover contact; Limiting continuous current: 16 A; Red status indicator; Module width: 15 mm; 2,50 mm²; gray



Item No.: 788-357

Relay module; Nominal input voltage: 24 VDC; 1 make contact; Limiting continuous current: 16 A; Red status indicator; Module width: 15 mm

1.1.6 Sensors

1.1.6.1 Sensor



Item No.: 2852-7208

4p4c connection cable, 50 cm



Item No.: 2852-7207

DALI HIGHBAY ADAPTER / Control units for light management systems



Item No.: 2852-7203

DALI LS/PD LI / Control units for light management systems



Item No.: 2851-8301

DALI MSensor 02 5DPI 41rc (Ceiling Installation)



Item No.: 2851-8303

DALI MSensor 02 5DPI 41rs (Surface Installation)



Item No.: 2851-8302

DALI MSensor 02 5DPI 41W (Box installation)



Item No.: 2851-8202

DALI sensor coupler



Item No.: 2852-7204

DALI Sensor Coupler E / DALI sensor coupler for external sensors



Item No.: 2852-7205

DALI Sensor Coupler HF LS LI / DALI coupler for radar sensor HF LS LI



Item No.: 2852-7301

DALI XC Control Module with 4 freely programmable inputs



Item No.: 2852-7206

HF LS LI / Control units for light management systems



Item No.: 2852-7201

HIGH BAY / Stand-alone motion sensors with switching contact



Item No.: 2852-7202

VISION / Stand-alone motion sensors with switching contact



Item No.: 2851-8201

WAGO DALI Multi-Sensor Kit