RoHS ✔ Compliant   BOMcheck.net   Color: ▪

| X | Attention: Product details may be subject to change |

Item description

This controller is a compact PLC for the modular WAGO I/O System Advanced. The controller supports all I/O modules found within the WAGO I/O System Advanced Series in addition to network and fieldbus interfaces.
Two ETHERNET interfaces and an integrated switch enable line topology wiring.
The DIP switch configures the last byte of the IP address and may be used for IP address assignment.
An integrated Webserver provides user configuration options, while displaying the controller's status information.

Typical applications for this controller include standard machinery and equipment control (e.g., packaging, bottling and manufacturing systems, as well as textile, metal and wood processing machines).

Advantages:

- Programming per IEC 61131-3

- Programmable via *e!COCKPIT*

- 2 x ETHERNET (configurable)

- Configuration via *e!COCKPIT* or Web-Based-Management user interface

- Maintenance-free

Subject to changes. Please also observe the further product documentation!

WAGO Corporation
Germantown, WI 53022
Phone: 1-800-DIN-RAIL (346-7245) | Fax: (262) 255-6222
Email: info.us@wago.com | Web: www.wago.us

Do you have any questions about our products?
We are always happy to take your call at {0}.

Data
Technical Data

Communication	Modbus (TCP, UDP)
ETHERNET protocols	DHCP
	DNS
	NTP
	FTP
	FTPS
	SNMP
	HTTP
	HTTPS
	SSH
Visualization	Web Visu
Operating system	Real-time Linux (with RT-Preempt patch)
CPU	Cortex A8; 1 GHz
Programming languages per IEC 61131-3	Instruction List (IL)
	Ladder Diagram (LD)
	Function Block Diagram (FBD), Continuous Function Chart (CFC)
	Structured Text (ST)
	Sequential Function Chart (SFC)
Programming environment	e!COCKPIT (based on CODESYS V3)
Configuration options	e!COCKPIT
	Web-Based Management
	e!RUNTIME Library
	CODESYS Library
Baud rate (communication/fieldbus 1)	10/100 Mbit/s
Baud rate	10/100 Mbit/s
Transmission medium (communication/fieldbus)	Twisted Pair S-UTP; 100 Ω; Cat. 5; 100 m maximum cable length
Main memory (RAM)	512 MB
Internal memory (flash)	4096 MB
Non-volatile hardware memory	64 Kbytes
Program memory	32 MB
Data memory	128 MB
Non-volatile software memory	64. Kbytes
Memory card type	microSD card
Memory card slot	Push-push mechanism
Number of modules per node (max.)	250
Input and output (internal) process image (max.)	1000 Worte/1000 Worte
Input and output (MODBUS) process image (max.)	e!RUNTIME: 1000 Worte/1000 Worte
Indicators	LED (DS, H11, H12, RUN, APP) red/green/orange: Device status, module status, network status, IEC RUN, application; LED (EC) red

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	/blue/magenta: Error; LED (PS) red/green/yellow: Power status; LED (S, F) green: System supply, field supply
Supply voltage (system)	SELV DC 24 V (-25 … +30 %)
Power supply efficiency (typ.) at nominal load (24 V)	95 %
Supply voltage (actuator)	,
Supply voltage (field)	SELV DC 24 V (-25 … +30 %)
Current carrying capacity (power jumper contacts)	12 A
Current carrying capacity (power jumper contacts) note	requires external fusing of the field supply
Number of outgoing power jumper contacts	2
Isolation (field/system)	min. 1000 VDC (1 min); per EN/UL 61010-2-201

Connection data

Connection technology: communication/fieldbus	Modbus TCP/UDP: 2 x RJ-45
Connection technology: system supply	2 x Push-in CAGE CLAMP®
Connection technology: field supply	4 x Push-in CAGE CLAMP®
Connection type (1)	System/field supply
Solid conductor	0.25 … 2.5 mm² / 22 … 14 AWG
Fine-stranded conductor	0.25 … 2.5 mm² / 22 … 14 AWG
Strip length	8 … 9 mm / 0.31 … 0.35 inch
Connection technology: Device configuration	1 x Service interface USB-C

Physical data

Width	63 mm / 2.48 inch
Height	105 mm / 4.134 inch
Depth from upper edge of DIN-rail	75 mm / 2.953 inch

Mechanical data

Weight	4635 g
Color	light gray
Conformity marking	CE

Environmental Requirements

Surrounding air temperature (operation)	-25 … 60 °C (horizontal, typical control cabinet installation; −25 … +50 °C, other mounting positions)
Surrounding air temperature (storage)	-40 … 85 °C
Protection type	IP20

Subject to changes. Please also observe the further product documentation!

Pollution degree (5)	2
Operating altitude	Without temperature derating: 0 … 2000 m; With temperature derating: 2000 … 3000 m (0.5 K/100 m)
Relative humidity (without condensation)	95 %
Mounting position	Horizontal, typical for control cabinets (nominal mounting position); horizontal (floor mounting position); standing (vertical bottom)
Mounting type	DIN-35 rail
EMC immunity to interference	per EN 61000-6-1, -2
EMC emission of interference	per EN 61000-6-4

Commercial data

Packaging type	BOX
Country of origin	DE
GTIN	4055143975476
Customs tariff number	85371091990

Counterpart

Compatible products

memory card

	Item no.: 758-879/000-3102 Memory Card SD Micro; 2 GByte	www.wago.com/758-879 /000-3102
	Item no.: 758-879/000-3108 Memory Card SD Micro; pSLC-NAND; 8 GB; Temperature range: -40 to 90°C	www.wago.com/758-879 /000-3108

software

	Item no.: 2759-101/1110-2002 e!COCKPIT software; license (single workstation)	www.wago.com/2759-101 /1110-2002

Marking accessories

	Item no.: 2009-141 Micro-WSB-Inline; 2000 pieces on roll; plain; snap-on type; white	www.wago.com/2009-141

Subject to changes. Please also observe the further product documentation!

Downloads
Documentation

System Description

I/O-System Advanced General Product Information	pdf 302.3 kB	Download

Installation Notes

Product family

I/O System Advanced
Show all products from the family

Subject to changes. Please also observe the further product documentation!

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