



- Ethernet Switch ● Passive cooled CPU unit
- Universal design

Specification		
Processor		Cortex-A9, Single Core, 800 MHz
	optional	Cortex-A9, Dual Core, 800 MHz
Real-time clock		available, with goldcap buffered up to 4 weeks
Memory		1 GByte RAM, 4 GByte Flash
Memory expansion		via USB-Stick on the USB-Host interface
Memory expansion via μSD-card-socket	optional	with μSD card (max. 2 GB) or μSDHC card (max. 32 GB)
Speed class:		recommended: class 2 with 2 MB/s minimum speed
Buffering		1 MByte retain data in flash
Software		
Operating system		Embedded Linux 4.00
PLC programming		CODESYS V3 (CS3)
HMI programming		CODESYS V3 WebVisu (WV)
Interface		
Ethernet		1 x 100/1000BASE-T, RJ45 3 x 10/100BASE-T, RJ45 with switch functionality
	optional	1 x 100/1000BASE-T, RJ45 1 x 10/100BASE-T, RJ45 2 x 10/100BASE-T, RJ45 with Profinet functionality
Serial interfaces		1 x D-Sub-9 plug (male) with multiple function: 1 x RS232 with galv. isolation, 2 x RS485 with galv. isolation, termination ON-OFF 1 x RS485 with galv. Isolation, D-Sub-9 socket (female); termination ON-OFF
Fieldbus interfaces		2 x CAN acc. ISO11898 with galv. isolation, 2x RJ45, 2 x termination ON-OFF
USB		2 x USB-2.0 hub device type A
NFC	optional	Short range wireless connectivity (smartphone)

Functions	
Operating mode switch	RUN-STOP-RESET
Profinet-RT Controller	Via CODESYS configurator
Profinet-RT Device	Via FPGA IP /IEC library
CANopen Master	Via IEC- library or CODESYS configurator
CANopen Slave	Via CODESYS configurator
Ethernet TCP-Modbus Client or Server	Via IEC- library
Modbus RTU Slave or Master	Via IEC- library
Order-No.:	
25150.0300	robusto master - RMC503
Environment/ mechanical values	
Supply voltage	24 VDC (-15% / +20%) SELV with polarity reversal
Power consumption (duration/start-up)	0,8 A / 1,0 A
Housing	robusto heat sink with device lid
Protection class	IP20, acc. EN 60529
Mounting	snap-in mounting on top-hat rail DIN EN 60715
Outside dimensions in mm (w x h x d)	approx. 260 x 160 x 50,8
Weight app.	1200 g
Operating temperature	0°C...50°C (depending on position)
Storage temperature	-20°C... 70°C
Relative humidity for operation	10%...85% non-condensing
Relative humidity for storage	5%...85% non-condensing
Cooling	Passive heat sink
Diagnostic	
LED's	LEDs for operating- and status indication; LED status for digital in- and outputs
Digital Inputs	
Number	32
Input voltage	24 VDC with galvanic isolation, EN61131-2 Typ 1
Frequency max.	1 kHz
Connection	4 x socket 10-pole; contact spacing 3,5 mm, conductor crosssection up to 0,2 ... 1,5 mm ² ,depending on the installation situation (see data sheet WAGO) 8 A WAGO: 714-110 and 714-140
Digital Outputs	
Number	32
Output voltage	24 VDC with galvanic isolation
Output current	0,5 A
Total current (per DIN)	Current per group (8 outputs) max. 2 A
Ohmic load	At least 50 Ohm
Switching frequency Ohm/inductive	1 kHz
Short circuit	Current limiting up to 0,7 A per channel
Thermal Protection	Thermal protection of 120°C ;reconnecting of 100°C. additionally protection per group with a fuse of 5 A.
Connection	4 x socket 10-pole; contact spacing 3,5 mm, conductor crosssection up to 0,2 ... 1,5 mm ² ,depending on the installation situation (see data sheet WAGO) 8 A WAGO: 714-110 and 714-140

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Standards	
Produktnorm	EN61131-2:2007
Störfestigkeit / Störaussendung	EN61000-6-2:2011 EN61000-6-3:2011
Umweltprüfungen	EN60068-2-6 EN60068-2-27
Accessory	
	Memory expansion with µSD-card Retain data 1 MByte

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