



- Ethernet Switch
- Passive cooled CPU unit
- Universal design



Specification	
Processor	Cortex-A9, Single Core, 800 MHz
Real-time clock	available, with goldcap buffered up to 4 weeks
Memory	1 GByte RAM, 4 GByte Flash, (2 Gbyte Flash available, data endurance: 100.000 erase and write cycles, data retention: 10 years)
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	512 KByte 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, 1 x RS485 with galv. isolation, termination ON-OFF 1 x RS485 with galv. Isolation, D-Sub-9 socket (male); termination ON-OFF
Fieldbus interfaces	2 x CAN acc. to ISO11898 with galv. isolation, 2x RJ45, 2 x termination ON-OFF
USB	2 x USB-2.0 hub device type A

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.:	
25150.0000	robusto master - RMC500
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. to EN 60529
Mounting	snap-in mounting on top-hat rail DIN EN 60715
Outside dimensions in mm (w x h x d)	88 x 160 x 46
Weight approx.	430 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	
LEDs	LEDs for operating- and status indication; LED Power

Standards	
Product standards	EN61131-2:2007
Immunity and interference	EN61000-6-2:2011 EN61000-6-3:2011

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