



Figure similar

SIMATIC S7-1500, CM PTP RS232 HF Communication module for Serial connection RS232, Freeport, 3964 (R), USS, MODBUS RTU Master, Slave, 115200 Kbit/s, 9-pin D-sub connector

General information	
Product type designation	CM PtP RS 232 HF
Product function	
• I&M data	Yes; I&M 0
• Fast startup	Yes
Engineering with	
• STEP 7 TIA Portal configurable/integrated from version	V12 / V12
• STEP 7 configurable/integrated from version	V5.5 SP2 with GSD file
• PROFIBUS from GSD version/GSD revision	- / -
• PROFINET from GSD version/GSD revision	V2.3 / -
Installation type/mounting	
Rail mounting	Yes; S7-1500 mounting rail
Supply voltage	
Design of the power supply	system power supply
Input current	
Current consumption (rated value)	50 mA; From the backplane bus
Power	
Power consumption from the backplane bus	0.75 W
Power loss	
Power loss, typ.	0.6 W
Address area	
Address space per module	
• Inputs	8 byte
Interface types	
RS 232	
• Transmission rate, max.	115.2 kbit/s
• Cable length, max.	15 m
• RS 232 auxiliary signals	RTS, CTS, DTR, DSR, RI, DCD
Protocols	
Integrated protocols	
Freeport	
— Telegram length, max.	4 kbyte
— Bits per character	7 or 8
— Number of stop bits	1 or 2 bit
— Parity	None, even, odd, always 1, always 0, any
3964 (R)	
— Telegram length, max.	4 kbyte
— Bits per character	7 or 8
— Number of stop bits	1 or 2 bit

— Parity	None, even, odd, always 1, always 0, any		
Modbus RTU master			
— Address area	1 to 247, extended 1 to 65535		
— max. number of devices	1		
protocols / Modbus RTU device / header			
— Address area	1 to 247, extended 1 to 65535		
Telegram buffer			
• Buffer memory for telegrams	8 kbyte		
• Number of telegrams which can be buffered	255		
Interrupts/diagnostics/status information			
Diagnostics function	Yes		
Alarms			
• Diagnostic alarm	Yes		
• Hardware interrupt	No		
Diagnoses			
• Wire-break	Yes		
Diagnostics indication LED			
• RUN LED	Yes; green LED		
• ERROR LED	Yes; red LED		
• Receive RxD	Yes; Yellow LED		
• Transmit TxD	Yes; Yellow LED		
Potential separation			
between backplane bus and interface	Yes		
Isolation			
Isolation tested with	707 V DC (type test)		
Ambient conditions			
Ambient temperature during operation			
• horizontal installation, min.	0 °C		
• horizontal installation, max.	60 °C		
• vertical installation, min.	0 °C		
• vertical installation, max.	40 °C		
Altitude during operation relating to sea level			
• Installation altitude above sea level, max.	5 000 m; restrictions for installation altitudes > 2 000 m, see ET 200MP system manual		
Decentralized operation			
to SIMATIC S7-300	Yes		
to SIMATIC S7-400	Yes		
to SIMATIC S7-1500	Yes		
to standard PROFINET controller	Yes		
Dimensions			
Width	35 mm		
Height	147 mm		
Depth	127 mm		
Weights			
Weight, approx.	0.22 kg		
Classifications			
		Version	Classification
	eClass	14	27-24-22-08
	eClass	12	27-24-22-08
	eClass	9.1	27-24-22-08
	eClass	9	27-24-22-08
	eClass	8	27-24-22-08
	eClass	7.1	27-24-22-08
	eClass	6	27-24-22-08
	ETIM	9	EC001423
	ETIM	8	EC001423
	ETIM	7	EC001423
	IDEA	4	3564

Approvals / Certificates

General Product Approval

[Miscellaneous](#)[Manufacturer Declaration](#)[KC](#)

General Product Approval

For use in hazardous locations

[FM](#)[FM](#)[CCC-Ex](#)

For use in hazardous locations

Marine / Shipping

[Miscellaneous](#)[Type Examination Certificate](#)

Marine / Shipping



LRS



RINA



RMRS

[CCS \(China Classification Society\)](#)

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