



SIMATIC S7-1500, CM PTP RS232 HF communications module for serial connection RS-232, freeport, 3964(R), USS, Modbus RTU master, device, 115200 bit/s, 9-pin D-sub plug

General information	
Product type designation	CM PtP RS 232 HF
Product function	
- I&M data - Fast startup	Yes; I&M 0 Yes
Engineering with	
- STEP 7 TIA Portal configurable/integrated from version - STEP 7 configurable/integrated from version - PROFIBUS from GSD version/GSD revision - PROFINET from GSD version/GSD revision	V18 with HSP 0367 / V19; configurable with older TIA Portal versions as 6ES7541-1AD00-0AB0 V5.5 SP2 with GSD file - / - GSDML V2.42
Installation type/mounting	
Rail mounting	Yes; S7-1500 mounting rail
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 - Outputs	8 byte; performance mode: 32 byte 0 byte; performance mode: 32 byte
Interface types	
RS 232	
- Transmission rate, max. - Cable length, max. - RS 232 auxiliary signals	115.2 kbit/s 15 m RTS, CTS, DTR, DSR, RI, DCD
Protocols	
Integrated protocols	
Freeport	
- Telegram length, max. - Bits per character - Number of stop bits - Parity	4 kbyte 7 or 8 1 or 2 bit None, even, odd, always 1, always 0, any
3964 (R)	
- Telegram length, max. - Bits per character - Number of stop bits	4 kbyte 7 or 8 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		
Modbus RTU device			
— 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)		
Security			
signed firmware update	Yes		
Ambient conditions			
Ambient temperature during operation			
• horizontal installation, min.	-30 °C		
• horizontal installation, max.	60 °C		
• vertical installation, min.	-30 °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		
Absolute humidity			
• dew point, min.	-60 °C; suitable for dry room applications		
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	16	27-24-22-08
	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	10	EC001423
ETIM	9	EC001423
ETIM	8	EC001423
ETIM	7	EC001423

Approvals / Certificates

General Product Approval

[Manufacturer Declaration](#)



[Miscellaneous](#)



General Product Approval	EMV	For use in hazardous locations
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[China RoHS](#)



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


For use in hazardous locations	Maritime application
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[Type Examination Certificate](#)


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



Maritime application




[NK / Nippon Kaiji Kyokai](#)


[CCS \(China Classification Society\)](#)
[KR \(Korean Register of Shipping\)](#)

Environment

[China RoHS](#)

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