

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	
<ul style="list-style-type: none"> I&M data Fast startup 	Yes; I&M 0 Yes
Engineering with	
<ul style="list-style-type: none"> 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; with older TIA Portal versions configurable as 6ES7541-1AD00-0AA0 V5.5 SP2 with GSD file - / - GSDML V2.42
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	
<ul style="list-style-type: none"> Inputs Outputs 	8 byte; performance mode: 32 byte 0 byte; performance mode: 32 byte
Interface types	
RS 232	
<ul style="list-style-type: none"> 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	
<ul style="list-style-type: none"> 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)	
<ul style="list-style-type: none"> 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
Modbus RTU master	
<ul style="list-style-type: none"> Address area max. number of devices 	1 to 247, extended 1 to 65535 1
protocols / Modbus RTU device / header	
<ul style="list-style-type: none"> Address area 	1 to 247, extended 1 to 65535
Telegram buffer	
<ul style="list-style-type: none"> Buffer memory for telegrams Number of telegrams which can be buffered 	8 kbyte 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)
product functions / security / header	
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
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

Approvals / Certificates	
General Product Approval	

[Manufacturer Declaration](#)



[Miscellaneous](#)



EMV For use in hazardous locations

[KC](#)



[FM](#)

[CCC-Ex](#)



[Type Examination Certificate](#)

For use in hazardous locations Maritime application



[Miscellaneous](#)



Maritime application

[NK / Nippon Kaiji Kyokai](#)



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



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