

SIMATIC S7-1500, CM PTP RS232 BA communications module for serial connection RS-232, freeport, 3964(R), USS, 19200 bit/s, 9-pin D-sub plug

General information	
Product type designation	CM PtP RS 232 BA
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; with older TIA Portal versions configurable as 6ES7540-1AD00-0AA0 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	
- 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	19.2 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	1 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 - Parity	1 kbyte 7 or 8 1 or 2 bit None, even, odd, always 1, always 0, any
Telegram buffer	
- Buffer memory for telegrams - Number of telegrams which can be buffered	2 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)
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
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	10	EC001423
ETIM	9	EC001423
ETIM	8	EC001423
ETIM	7	EC001423

Approvals / Certificates	
General Product Approval	



[Manufacturer Declaration](#)

[Miscellaneous](#)

[China RoHS](#)



General Product Approval	EMV	For use in hazardous locations			
 RCM	KC	 UL	FM	CCC-Ex	Miscellaneous
For use in hazardous locations			Maritime application		
 ATEX	Type Examination Certificate	 IECEX	 ABS	 BUREAU VERITAS	 DNV
Maritime application					
 LRS	NK / Nippon Kaiji Kyokai	 RINA	CCS (China Classification Society)	 KR KOREAN REGISTER	

last modified: 12/18/2025 