



SIMATIC S7-1500, CM PTP RS232 BA Communication module for Serial connection RS232, Freeport, 3964 (R), USS, 19200 Kbit/s, 9-pin D-sub connector

General information	
Product type designation	CM PtP RS 232 BA
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.	19.2 kbit/s
• Cable length, max.	15 m
• RS 232 auxiliary signals	RTS, CTS, DTR, DSR, RI, DCD
Protocols	
Integrated protocols	
Freeport	
— Telegram length, max.	1 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.	1 kbyte
— Bits per character	7 or 8
— Number of stop bits	1 or 2 bit
— Parity	None, even, odd, always 1, always 0, any

Telegram buffer			
• Buffer memory for telegrams		2 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	10	EC001423
	ETIM	9	EC001423
	ETIM	8	EC001423
	ETIM	7	EC001423
	IDEA	4	3564
	UNSPSC	15	32-15-17-05
Approvals / Certificates			
General Product Approval			



[Miscellaneous](#)



General Product Approval	EMV	Test Certificates			Maritime application
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[Miscellaneous](#)

[Type Test Certificates/Test Report](#)

[Special Test Certificate](#)



Maritime application	other			Environment
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[Confirmation](#)



[Miscellaneous](#)

[Environmental Confirmations](#)

Environment



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