



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	
<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 	V12 / V12 V5.5 SP2 with GSD file - / - V2.3
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	
<ul style="list-style-type: none"> Inputs 	8 byte
Interface types	
RS 232	
<ul style="list-style-type: none"> 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	
<ul style="list-style-type: none"> 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)	
<ul style="list-style-type: none"> 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	

<ul style="list-style-type: none">• Buffer memory for telegrams• Number of telegrams which can be buffered	2 kbyte 255																																													
Interrupts/diagnostics/status information																																														
Diagnostics function	Yes																																													
Alarms																																														
<ul style="list-style-type: none">• Diagnostic alarm• Hardware interrupt	Yes No																																													
Diagnoses																																														
<ul style="list-style-type: none">• Wire break	Yes																																													
Diagnostics indication LED																																														
<ul style="list-style-type: none">• RUN LED• ERROR LED• Receive RxD• Transmit TxD	Yes; green LED Yes; red LED Yes; Yellow LED 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																																														
<ul style="list-style-type: none">• horizontal installation, min.• horizontal installation, max.• vertical installation, min.• vertical installation, max.	0 °C 60 °C 0 °C 40 °C																																													
Altitude during operation relating to sea level																																														
<ul style="list-style-type: none">• 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																																														
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[Confirmation](#)



Maritime application	other	Dangerous goods	Environment
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[CCS \(China Classification Society\)](#)

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[Transport Information](#)

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