



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"> <li>I&amp;M data</li> <li>Fast startup</li> </ul>	Yes; I&M 0 Yes
Engineering with	
<ul style="list-style-type: none"> <li>STEP 7 TIA Portal configurable/integrated from version</li> <li>STEP 7 configurable/integrated from version</li> <li>PROFIBUS from GSD version/GSD revision</li> <li>PROFINET from GSD version/GSD revision</li> </ul>	V12 / V12 V5.5 SP2 with GSD file - / - 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	
<ul style="list-style-type: none"> <li>Inputs</li> </ul>	8 byte
Interface types	
RS 232	
<ul style="list-style-type: none"> <li>Transmission rate, max.</li> <li>Cable length, max.</li> <li>RS 232 auxiliary signals</li> </ul>	19.2 kbit/s 15 m RTS, CTS, DTR, DSR, RI, DCD
Protocols	
Integrated protocols	
Freeport	
<ul style="list-style-type: none"> <li>Telegram length, max.</li> <li>Bits per character</li> <li>Number of stop bits</li> <li>Parity</li> </ul>	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"> <li>Telegram length, max.</li> <li>Bits per character</li> <li>Number of stop bits</li> </ul>	1 kbyte 7 or 8 1 or 2 bit

— Parity	None, even, odd, always 1, always 0, any	
<b>Telegram buffer</b>		
• Buffer memory for telegrams	2 kbyte	
• Number of telegrams which can be buffered	255	
<b>Interrupts/diagnostics/status information</b>		
Diagnostics function	Yes	
<b>Alarms</b>		
• Diagnostic alarm	Yes	
• Hardware interrupt	No	
<b>Diagnoses</b>		
• Wire-break	Yes	
<b>Diagnostics indication LED</b>		
• RUN LED	Yes; green LED	
• ERROR LED	Yes; red LED	
• Receive RxD	Yes; Yellow LED	
• Transmit TxD	Yes; Yellow LED	
<b>Potential separation</b>		
between backplane bus and interface	Yes	
<b>Isolation</b>		
Isolation tested with	707 V DC (type test)	
<b>Ambient conditions</b>		
<b>Ambient temperature during operation</b>		
• horizontal installation, min.	0 °C	
• horizontal installation, max.	60 °C	
• vertical installation, min.	0 °C	
• vertical installation, max.	40 °C	
<b>Altitude during operation relating to sea level</b>		
• Installation altitude above sea level, max.	5 000 m; restrictions for installation altitudes > 2 000 m, see ET 200MP system manual	
<b>Decentralized operation</b>		
to SIMATIC S7-300	Yes	
to SIMATIC S7-400	Yes	
to SIMATIC S7-1500	Yes	
to standard PROFINET controller	Yes	
<b>Dimensions</b>		
Width	35 mm	
Height	147 mm	
Depth	127 mm	
<b>Weights</b>		
Weight, approx.	0.22 kg	
<b>Classifications</b>		
	<b>Version</b>	<b>Classification</b>
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
<b>Approvals / Certificates</b>		

General Product Approval | Test Certificates | other



[Confirmation](#)



[Special Test Certificate](#)

[Confirmation](#)

other | Environment

[Miscellaneous](#)



[Environmental Confirmations](#)

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