



SIMATIC S7-1500, CM PTP RS232 HF COMMUNICATION MODUL FOR SERIAL CONNECTION RS232, FREEPORT, 3964(R), USS, MODBUS RTU MASTER, SLAVE, 115200 KBIT/S, 9-PIN SUB-D CONNECTOR

Figure similar

Product type designation	
General information	
Product function	
• I&M data	Yes; I&M 0
Engineering with	
• STEP 7 TIA Portal can be configured/integrated as of version	V12 / V12
• STEP 7 can be configured/integrated as of version	V5.5 SP2 with GSD file
• PROFIBUS as of GSD version/GSD revision	- / -
• PROFINET as of GSD version/GSD revision	V2.3 / -
Installation type/mounting	
Type of fitting, rail mounting	Yes; S7-1500 mounting rail
Input current	
Current consumption (rated value)	35 mA; From the backplane bus
Power	
Power available from the backplane bus	0.65 W
Power losses	
Power loss, typ.	0.6 W
Address area	
Occupied address area	
• Inputs	8 byte

Interfaces	
1st interface	
Interface types	
— RS 232	Yes
RS 232	
• Transmission rate, max.	115.2 kbit/s
• Cable length, max.	15 m
• RS-232 accompanying signals	RTS, CTS, DTR, DSR, RI, DCD
Integrated protocols	
Freeport	
— Telegram length, max.	4 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.	4 kbyte
— Bits per character	7 or 8
— Number of stop bits	1 or 2 bit
— Parity	None, even, odd, always 1, always 0, any
Modbus RTU master	
— Address area	1 to 247, extended 1 to 65535
— Number of slaves, max.	1
MODBUS RTU slave	
— Address area	1 to 247, extended 1 to 65535
Frame buffer	
• Buffer memory for message frames	8 kbyte
• Number of message frames which can be buffered	255
Interrupts/diagnostics/status information	
Alarms	
• Diagnostic alarm	Yes
• Hardware interrupt	No
Diagnostic messages	
• Diagnostics	Yes
• Wire break	Yes
Diagnostics indication LED	
• RUN LED	Yes; Green LED
• ERROR LED	Yes; Red LED
• Receive RxD	Yes; yellow LED
• Send TxD	Yes; yellow LED
Galvanic isolation	

between the backplane bus and interface	Yes
---	-----

Isolation

Isolation checked with	707 V DC (type test)
------------------------	----------------------

Ambient conditions

Ambient temperature in operation	
• horizontal installation, min.	0 °C
• horizontal installation, max.	60 °C
• vertical installation, min.	0 °C
• vertical installation, max.	40 °C

Decentralized operation

To SIMATIC S7-300	Yes
To SIMATIC S7-400	Yes
To SIMATIC S7-1500	Yes
To standard PROFINET controller	Yes
Fast Startup supported	Yes

Dimensions

Width	35 mm
Height	147 mm
Depth	127 mm

Weights

Weight, approx.	0.22 kg
-----------------	---------

last modified: 12.03.2015