



SIMATIC S7-1500, CM PTP RS232 BA COMMUNICATION MODUL FOR SERIAL CONNECTION RS232, FREEPORT, 3964(R), USS, 19200 KBIT/S, 9-PIN SUB-D CONNECTOR

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|--|-------------------------------|
| 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. | 19.2 kbit/s |
| • Cable length, max. | 15 m |
| • RS-232 accompanying signals | RTS, CTS, DTR, DSR, RI, DCD |
| 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 |
| Frame buffer | |
| • Buffer memory for message frames | 2 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

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|-----------------|---------|
| Weight, approx. | 0.22 kg |
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last modified: 12.03.2015