

# SIEMENS

## Product data sheet

**6ES7241-1AA22-0XA0**


SIMATIC S7-200,  
MODEM MODULE ANALOG MODEM,  
FOR PPI PROTOCOL,  
MODBUS MASTER/SLAVE PROTOCOL,  
MESSAGING TO MOBILE OR PAGER,  
S7-200-TO-S7-200 COMMUNICATION,  
CALL BACK FUNCTION, PASSWORD

| Supply voltage                            |                                                                                      |
|-------------------------------------------|--------------------------------------------------------------------------------------|
| Load voltage L+                           |                                                                                      |
| Rated value (DC)                          | 24 V                                                                                 |
| permissible range, lower limit (DC)       | 20.4 V                                                                               |
| permissible range, upper limit (DC)       | 28.8 V                                                                               |
| Input current                             |                                                                                      |
| from load voltage L+ (without load), max. | 70 mA                                                                                |
| from backplane bus 5 V DC, max.           | 80 mA ; from expansion bus                                                           |
| Power losses                              |                                                                                      |
| Power loss, typ.                          | 2.1 W                                                                                |
| Interfaces                                |                                                                                      |
| Number of RS 485 interfaces               | 0                                                                                    |
| Modem                                     |                                                                                      |
| Standards                                 | Bell 103, Bell 212, V. 21, V. 22, V. 22 bis, V. 23c, V. 32, V. 32 to, V. 34 (preset) |
| Tone dialing                              | Yes                                                                                  |

|                                           |                                                                                  |
|-------------------------------------------|----------------------------------------------------------------------------------|
| Pulse dialing                             | Yes                                                                              |
| Telephone lines                           | RJ11 (4 cables, 6 contacts)                                                      |
| Communication functions                   |                                                                                  |
| Bus protocol/transmission protocol        | PPI, Modbus                                                                      |
| Interrupts/diagnostics/status information |                                                                                  |
| Diagnostics indication LED                |                                                                                  |
| Description                               | 8 LED for internal modem functions                                               |
| Isolation                                 |                                                                                  |
| Isolation checked with                    | Telephone cable to logic or field side: AC 1500 V, field side to logic: AC 500 V |
| Dimensions                                |                                                                                  |
| Width                                     | 71.2 mm                                                                          |
| Height                                    | 80 mm                                                                            |
| Depth                                     | 62 mm                                                                            |
| Weight                                    |                                                                                  |
| Weight, approx.                           | 190 g                                                                            |
| Status                                    | Jun 23, 2012                                                                     |