

PLCM09 Plug-in Wireless Modem Tech-Note

PLCM09 is a compact and robust plug-in module designed to add Internet connectivity to systems based on eX700 Series and eXware.



- Designed for eX700 and eXware product families.
- Compatible with operation of Corvina Cloud secure service
- 2G/3G wireless communication module
- Worldwide connectivity
- Supports GSM/GPRS/EDGE and UMTS/HSDPA/HSUPA cellular networks
- 2 digital inputs/2 digital outputs (SSR) with optical isolation
- 4 LED indicators (module status and network status)
- microSIM slot accessible by user
- Powered via plug-in connection.
- Plug-in extension connector

Highlights

PLCM09 is a compact and robust plug-in module designed to add Internet connectivity to systems based on eX700 Series and eXware. It is a 2G/3G wireless modem supporting GSM/GPRS/EDGE and UMTS/HSDPA/HSUPA cellular networks.

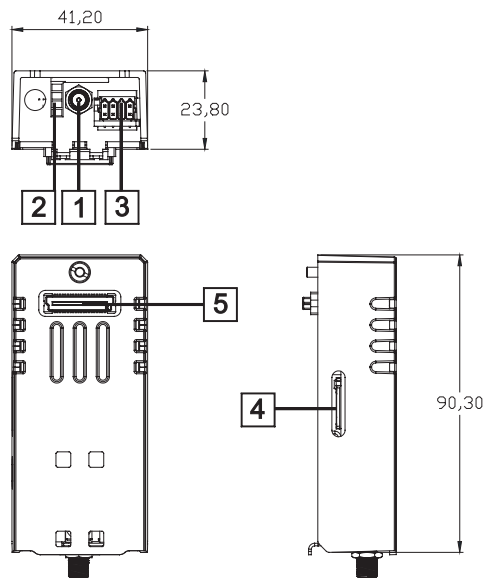
The device is compatible with operation of EXOR Corvina Cloud secure service.

In combination with Corvina Cloud services you can easily implement basic IIoT functions and establish a VPN to protect access to your devices, streamline connection to cloud services or sending/receiving SMS messages.

Technical Data



| Cellular Technology | |
|------------------------------|---|
| Frequency Bands | GSM 4-band: 850/900/1800/1900MHz UMTS 5-band: 800/850/900/1900/2100MHz |
| Transmission Data | HSDPA category 8: Max 7.2Mbps HSUPA category 6: Max 5.76Mbps UMTS: Max 384kbps (DL)/Max 384kbps (UL) EDGE: Max 296kbps (DL)/Max 236.8kbps (UL) GPRS: Max 107kbps (DL)/Max 85.6kbps (UL) CSD: 14.4kbps |
| Transmitting Power | Class 4 (33dBm±2dB) for GSM850 and EGSM900 Class 1 (30dBm±2dB) for DCS1800 and PCS1900 Class E2 (27dBm±3dB) for GSM850 and EGSM900 8-PSK Class E2 (26dBm±3dB) for DCS1800 and PCS1900 8-PSK Class 3 (24dBm+1.7/-3.7dB) for UMTS 800/850/900/1900/21 |
| Interface | |
| Antenna | GSM/UMTS antenna, 50Ω, SMA-F Female connector |
| Digital inputs | 2x 24Vdc with optical isolation |
| Digital outputs | 2x SSR with optical isolation |
| LED indicators | 4 |
| SIM slot | microSIM |
| Plug-in extender | yes |
| Environment Conditions | |
| Operating Temp | -20°C to +60°C |
| Storage Temp | -20°C to +70°C |
| Operating / Storage Humidity | 5 - 85% RH, non condensing |
| Protection Class | IP20 |
| Dimensions and Weights | |
| WxHxL | 41.20x23.80x90.30 mm |
| Weight | 0.2 Kg |
| Approvals | |
| CE | EN 61000-6-4, EN 61000-6-2 EN 61000-6-3, EN 61000-6-1 EN 60945 ETSI EN 301 489-1, ETSI EN 301 489-52 EN 301 511 ETSI EN 301 908-1, ETSI EN 301 908-2 EN 62311 EN 60950-1 |
| UL | cULus: UL61010-1 / UL61010-2-201 |
| UL | cULus: Class I Div. 2 |
| RCM | Yes |



- 1 Antenna
- 2 LED indicators 1-4
- 3 Inputs 1-2/Outputs 1-2
- 4 SIM Slot
- 5 Plug-in extender

Ordering Information

| Model | Part Number | Description |
|--------|-------------|------------------------|
| PLCM09 | +PLCM09U0P1 | Plug-in Wireless Modem |