

# PLCM09 Plug-in Tech-Note

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## 3G Modem

- 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.

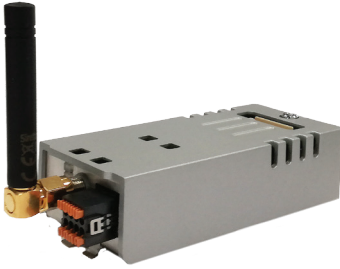
The device is compatible with operation of EXOR Corvina Cloud secure service.

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 SMS messages.

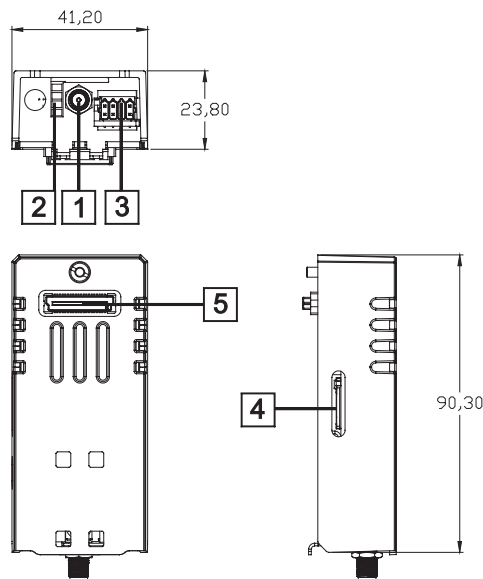
### Benefits

- Enables Worldwide connectivity for remote connectivity
- Allows the back up 3G connectivity in case of standard LAN communication problems
- 3G remote connectivity bypassing the company network
- Ability to send emails for alarm signaling via JMobile
- Ability to transfer data to the cloud with native JMobile protocols such as OPC UA and MQTT

# PLCM09 - 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
DNV-GL	Yes
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