

Order code: CM24GGPSXBX

## 4G & GPS plug-in communication module

# Datasheet

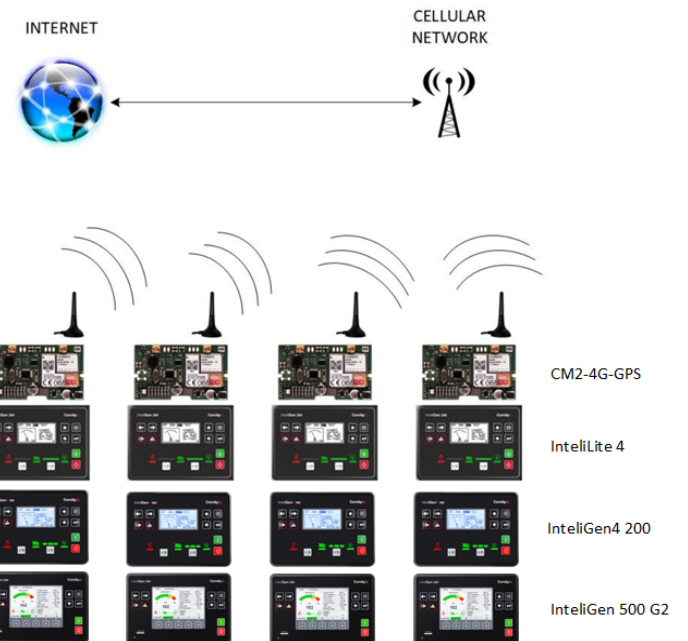
### Product description

- > Internet connection via cellular network
- > Built-in 4G (LTE) cellular modem
- > Built-in GNSS (GPS, GLONASS) module for device tracking

### Key features

- > Wireless Internet connection via cellular modem
- > AirGate 2 support
- > Global 4G (LTE) module with 3G/2G backup
- > Tracking via GNSS module
- > WebSupervisor support
- > Active e-mails and SMS support

### Application overview



## Technical data

### General

Width × Height × Depth	73.8 × 50.3 × 15
Weight	~35 g
Power supply	8-36 V DC
Power consumption	1.7 W
Peak power consumption	10 W
Operating temperature	-30 °C to +70 °C
Storage temperature	-40 °C to +80 °C

### GNSS

Antenna interface	SMA female, 2.8 V / 20 mA
Antenna type	Active






### Cellular

Supported networks and frequency bands (PLS62-W)	<ul style="list-style-type: none"> <li>➤ 2G (GSM/GPRS/EDGE) Quad band, 850/900/1800/1900 MHz</li> <li>➤ 3G (UMTS/HSPA+) Seven band, 800 (BdXIX) / 850 (BdV) / 900 (BdVIII) / AWS (BdIV) / 1800 (BdIX) / 1900 (BdII) / 2100MHz (BdI)</li> <li>➤ 4G (LTE) Twelve band, 700 (Bd12 &lt;MFBI Bd17&gt;, Bd28) 800 (Bd18, Bd19, Bd20) 850 (Bd5) / 900 (Bd8) / AWS (Bd4) / 1800 (Bd3) / 1900 (Bd2) / 2100 (Bd1) / 2600MHz (Bd7)</li> </ul>
Supported networks and frequency bands (PLS63/PLS83-W)	<ul style="list-style-type: none"> <li>➤ 2G (GPRS/EDGE): 850,900,1800,1900MHz</li> <li>➤ 3G (UMTS/HSPA): Bd1 (2100MHz), Bd2 (1900MHz), Bd3 (1800MHz), Bd4 (2100MHz), Bd5 (850MHz), Bd6 (850MHz), Bd8 (900MHz), Bd19 (850MHz)</li> <li>➤ 4G (LTE-FDD): Bd1 (2100MHz), Bd2 (1900MHz), Bd3 (1800MHz), Bd4 (2100MHz), Bd5 (850MHz), Bd7 (2600MHz), Bd8 (900MHz), Bd12 (700MHz), Bd13 (700MHz), Bd18 (850MHz), Bd19 (850MHz), Bd20 (800MHz), Bd26 (850MHz), Bd28 (700MHz), Bd66 (2100MHz)</li> <li>➤ 4G (LTE-TDD): Bd38 (2600MHz), Bd40 (2300MHz), Bd41 (2500MHz)</li> </ul>
Antenna interface	2x SMA female (Main and Diversity)

### Available antennas

Combined antenna 4G/LTE and GPS	Antenna for 2G, 3G and 4G/LTE networks as well as for GPS	<a href="#">OT1A4GGPSCX</a>
Combined antenna 4G/LTE and GNSS	2 × 4G LTE/3G/2G MIMO, GPS/GLONASS/Galileo SM Antenna	<a href="#">OT2A4GGPSCX</a>

### Certificates and standards

<ul style="list-style-type: none"> <li>➤ EN 61000-6-2</li> <li>➤ EN 61000-6-4</li> <li>➤ ETSI EN 301 489-1</li> <li>➤ EN 60068-2-1, EN 60068-2-2</li> <li>➤ EN 60068-2-6 ed.2:2008</li> <li>➤ EN 60068-2-27 ed.2:2010</li> <li>➤ EN 60068-2-30:2005 25/55°C, RH 95%, 48hours</li> <li>➤ UL 6200</li> </ul> <div style="text-align: center;">   </div>	<p><b>PLS62-W</b></p> <div style="border: 1px solid black; padding: 5px; display: inline-block;">  <span style="font-size: small;">R 003- 180238 T D180136003</span> </div> <p>Product contains FCC ID: QIPPLS62-W</p>
	<p><b>PLS63-W</b></p> <div style="border: 1px solid black; padding: 5px; display: inline-block;">  <span style="font-size: small;">R 217-210086 T AD210086217</span> </div> <p>Product contains FCC ID: QIPPLS63-W</p>
	<p><b>PLS83-W</b></p> <div style="border: 1px solid black; padding: 5px; display: inline-block;">  <span style="font-size: small;">R 217-210086 T AD210086217</span> </div> <p>Product contains FCC ID: QIPPLS83-W</p> <p><b>Note:</b> Giteki certification valid with <a href="#">OT2A4GGPSCX</a></p>



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