Cloud Link 4G Modem

Designed for Battery-powered Applications and Outdoor Operations in Hazardous Locations

**Brief information**

The Honeywell Cloud Link 4G Modem is a 4G/LTE cellular device intended to process serial data originating from any source, including a Honeywell Electronic Volume Corrector or Data Logger.

Designed for low power applications and outdoor operations, the Cloud Link 4G Modem is a full-featured, easy to configure and troubleshoot Wireless Cellular Modem. This communication unit is fully field-programmable and simple to use through its Bluetooth Low Energy or serial interfaces and associated set of programming software. In sleep mode, the modem consumes 100 times less power than competitive products while still being able to be reactivated by an external signal.

Thanks to its targeted design, the Cloud Link 4G Modem requires less power to operate than any other cellular modem available today. It is designed to operate in battery powered applications.

The Cloud Link 4G Modem is CSA, Class I Div 2 approved making it a perfect solution for gas measurement applications where safety is always a concern.

This modem can be configured using the same MasterLink software that is used to configure other Honeywell Mercury® electronic volume correctors and data loggers. No additional software is required. In addition, MasterLink is now available as an App that can be installed on IOS and Android devices. Easy to retrofit. The Cloud Link 4G Modem can be easily retrofitted in MiWireless enclosures. A dedicated kit has been designed to support a smooth transition from 2G/3G to 4G networks.

**FEATURES & BENEFITS**

- 4G/LTE transparent serial modem
- Operates with major carriers in North America: certified with AT&T, T-Mobile, Verizon, Rogers
- Falls back to UMTS/HSPA and GSM/GPRS
- RS232/485 interface
- 1 Digital Input
- For 2G/3G to 4G migrations, the Cloud Link 4G Modem is easy to retrofit in MiWireless assemblies
- CSA C/US Class-I, Div-2
- Internal Modem Power Control
- Bluetooth Low Energy interface can be used for wireless configuration
- Configured through MasterLink programming software and App.
Cloud Link 4G Modem Technical Specifications

**Wireless Specifications**
- LTE: Five band, 700 (Bd13)/700 (Bd17)/700 (Bd17)/850 (Bd5)/AWS (Bd4)/1900MHz (Bd2)
- UMTS/HSPA+: Triple band, 850 (BdV)/AWS (BdIV)/1900MHz (BdII)
- GSM/GPRS/EDGE: Quad band, 850/900/1800/1900MHz
- Bluetooth Low Energy: v4.0 (2402-2480MHz)

**Receive Sensitivity**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Conditions</th>
<th>Min.</th>
<th>Typical</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>LTE 700 Band 17</td>
<td>-97</td>
<td>-102</td>
<td>dBm</td>
<td></td>
</tr>
<tr>
<td>LTE 700 Band 13</td>
<td>TBD</td>
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<td>dBm</td>
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<tr>
<td>LTE 850 Band 5</td>
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<tr>
<td>LTE AWS Band 4</td>
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<td>dBm</td>
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<td>LTE 1900 Band 2</td>
<td>-98</td>
<td>-103</td>
<td>dBm</td>
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</table>

**Environmental Conditions**
- Temperature: -25°C to +65°C
- Humidity: 0%-95% RH, non-condensing

**Power Supply Options**
- Battery connector: 3.4Vdc minimum, 3.6Vdc nominal, 3.9Vdc maximum, 2A peak
- External power: 4.8Vdc minimum, 30Vdc maximum, 2A peak

**Warranty**
- 4 year standard warranty

**Dimensions**
- 136 mm x 25 mm x 83.5 mm
- 5.4 in x 1 in x 3.3 in

**Input/Outputs/Interfaces**
- Digital input: pulse counter, alarm input (typical door tamper alarm), call trigger
- RS232/485
- CMOS serial port: expansion low power port
- Magnetic switch: wakes the unit up by swiping a magnet and forces a call

**Certifications**
- PTCRB
- Verizon, AT&T, Rogers
- CSA C/US Class-1, Div-2, Group A, B, C and D
- FCC
- Industry Canada

**Security**
- SSL/TLS 1.2 version security

For more information
To learn more about Honeywell’s Smart Gas Metering Solutions, visit www.honeywellprocess.com or contact your Honeywell account manager.