

Cloud Link 4G Modem

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

Brief information

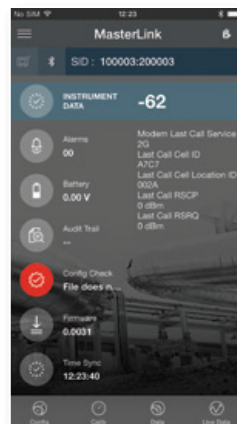
The Honeywell Cloud Link 4G Modem is a 4G/LTE cellular device intended to process serial data originating from any source, including a Honeywell Electronic Volume Corrector or Data Logger.

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)/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: v.4.0 (2402-2480MHz)

Receive Sensitivity

Parameter	Conditions	Min.	Typical	Unit
LTE connectivity	Band 2, 4, 5, 13 and 17			
Receiver Input Sensitivity@ ARP (ch. bandwidth 5MHz)	LTE 700 Band 17	-97	-102	dBm
	LTE 700 Band 13	TBD	TBD	dBm
	LTE 850 Band 5	-98	-104	dBm
	LTE AWS Band 4	-100	-103	dBm
	LTE 1900 Band 2	-98	-103	dBm

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



Easy to retrofit in MiWireless



When used in the EC350, the Cloud Link 4G Modem requires no external antenna

For more information

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

Honeywell Process Solutions

Mercury Instruments LLC
1280 Kemper Meadow Drive
Cincinnati, OH 45240
Phone: +1 (855) 251-7065
www.honeywellprocess.com