

## Cloud Link TM Modem

Transparent 4G Modem Assembly Designed for Battery-powered Applications and Outdoor Operations in Hazardous Locations

### Brief information

The Honeywell Cloud Link TM is a 4G/LTE cellular device assembly 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 TM Modem assembly is based on the Cloud Link 4G Modem. It is a fully-featured, easy to configure and troubleshoot Wireless Cellular Modem packaged in a field-proven weather proof assembly. 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 TM 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 TM 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.

### Typical Applications:

- Landlines upgrades: after removing the messenger modem, connect a Mini-Max, Mini-AT to the CloudLink TM assembly over RS232 or RS485. The EVC will wake up the battery operated modem and send data on schedule or alarm.
- Transparent modem 2G/3G upgrades to the latest 4G technology. Upgrade your transparent modem (typically a CNI2 or IMU) to the latest LTE technology.
- Upgrade of basic Mini-Max, Mini-AT applications to Cellular.
- Portable modem solution for debugging or troubleshooting field applications.



## 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
- 5 years battery life with 1 battery and 1 call per day
- 8 years battery life with 2 batteries and 1 call per day
- CSAC/US Class-I, Div-2
- Bluetooth Low Energy interface can be used for wireless configuration
- Configured through MasterLink programming software and App.



# Cloud Link TM 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	-98	-103	dBm
	LTE 850 Band 5	-98	-104	dBm
	LTE AWS Band 4	-100	-103	dBm
	LTE 1900 Band 2	-98	-103	dBm



Cloud Link 4G Modem

## 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
- 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

Ordering code: 22-3018-KIT



View of the Cloud Link TM assembly

## For more information

To learn more about Honeywell's Smart Gas Metering Solutions, visit [www.honeywellprocess.com](http://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](http://www.honeywellprocess.com)