Introduction

Homtecs Cellular USB Modem is the industrial cellular modem that provides SMS and dial-up function by 3G/4G Cellular network cater for industrial application requirement. The configuration and controlling can be made using AT-commands. It supports up to 150Mbps downlink speed and 50Mbps uplink speed service can utilize the 4G/3G network for convenient and inexpensive data transfer from remote instruments, meters, computers or control systems in packet data. Due to the performance industrial module, robust metal case and a wide operating temperature range, this model is well suitable for industrial M2M/Iot applications.

It can be used in finance, postal, smart power grids, smart transportation, environment monitor, fire protection monitor, security, water conservancy, public safety, advertising release, industrial control, earth quake monitor, meteorological watch, instrument monitor etc.

Support USB port
Support UDP/TCP protocol
Support 4G/3G

Features

Industrial design

High-powered Industrial cellular module provide the strong anti-jamming ability

PCB comply to 3H and 3W

Wide range Voltage power supply, 5~26V

Support standard USB2.0 interface that can plug into industrial PC or end USB device

Plug & Play solution for quick and easy integration , flexible and reliable

Control the power on/off by interface control line, easy for user device to control the operation of the modem

Stability

Support serial I/O hardware reset to ensure always online

Build-in link detection and hardware watch-dog, support WDT to ensure always online transmission

UIM/SIM SIM card ESD Protection: 1.8V/3V Standard

USB2.0 Interface ESD protection

Support over voltage protection

Robust Metal Case and anti-lightning protection

Provide IP34 protection

Specification

Hardware

LED indicators	1 x PWR, 1 x NET
Watchdog	Built-in
Guarantee	One year

Cellular Interface

Number of antennas	1
Connector	SMA-K
SIM	1 x SIM/UIM, 3V/1.8V

Serial Port

Number of ports	1 x USB
Connector	1 xUSB2.0

Wireless

Module	Industrial module
Frequency Bands	FDD-LTE(B1/3/5/7/8/20/ 28),
	(B1/2/4/5/7/8/12/13/17/25/26)
	TDD-LTE(B38/39/40/41)
	WCDMA(850/900AWS/1900/2100MHz)
	GSM/GRPS(850/900/1800/1900MHz)
Theory bandwidth:	HSPA: 5.76 / 21Mbps;
	FDD/TDD LTE: 50 / 150Mbps
Transmit power:	<23dBm+/-1dBm @25℃
Power consumption:	Data mode: <46mA; Idle mode: <25mA
Receive sensitivity:	3G: <-106dBm; 4G: <-97dBm @10MHz QPSK

Physical Characteristics

Ingress protection	IP34
Housing & Weight	Metal, 150 g
Dimensions	70.5 x 55 x 22 mm
Operating temperature	-30 ~ +75 °C
Storage temperature	-40 ~ +85 °C
Relative humidity	5 ~ 95% RH (non-condensing)
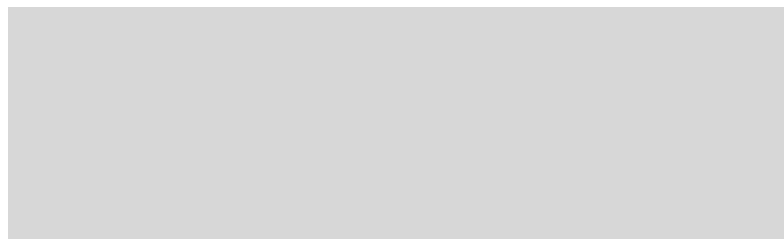
Order Information

Model	Interface	Frequency Bands	Country/Region	Package Contains
M4-FAUT	1 x USB	FDD-LTE(B1/3/5/7/8/20/ 28), (B1/2/4/5/7/8/12/13/17/25/26) TDD-LTE(B38/39/40/41) WCDMA(850/900AWS/1900/2100MHz) GSM/GRPS/EVDO(850/900/1800/1900MHz)	Global	1 x Modem 1 x Cellular antenna 1 x USB cable
M3-WAUT	1 x USB			

For more information about frequency bands in different countries, please contact your Homtecs sales representative.