



HL7810 Global LPWA Module for Industrial IoT

LTE-M and NB-IoT module offering ultra low power, small footprint and deep coverage

For battery-powered or low power deployments, our HL7810 module supports 3GPP's Release 14 features and offers best-in-class power consumption, high transmit power and the highest level of security from the edge to the cloud. This ensures field longevity and reduces the risk of your mission critical applications such as asset tracking, smart energy, smart cities and more.

Specifications

4G LTE	
Category	Cat-M1/NB2 (NTN)
Frequency Bands	B1, B2, B3, B4, B5, B8, B12, B13, B18, B19, B20, B23, B25, B26, B28, B66, B85, B255, B256
DATA SPEED	
Peak Download Rate	Cat-M: 590 kbps, Cat-NB2: 127 kbps
Peak Upload Rate	Cat-M: 1100 kbps, Cat-NB2: 158 kbps
LOCATION SERVICES	
Satellite Systems	GPS & Glonass
EMBEDDED SOFTWARE	
Firmware	Secure boot, Pre-certified firmware

SYSTEM DRIVERS	
System Drivers	Linux (Driver: Standard ECM)
INTERFACES	
UART	1 X 8-wire
USB	1
ADC	2
GPIO	8
Tx ON Indicator	1
SIM interface 1.8V/3V	1
HARDWARE	
CF3 Form Factor	LGA
Dimensions	15x18x2.4mm
Temperature Range	Industrial Grade: -40°C / +85°C
APPROVALS	
Regulatory	PTCRB, GCF, FCC (USA), ISED (Canada), CE(EU), JRF/JPA (Japan), KC (Korea), NCC (Taiwan), RCM (Australia)
Carrier	Verizon, AT&T, Orange, Docomo, Deutsche Telekom, Rogers
EMBEDDED SIM	
EMBEDDED SIM	Optional Ready-to-Connect (Semtech USIM)*
CLOUD SERVICES	
CLOUD SERVICES	Free FOTA upgrades, Connectivity Management option, Device Management option



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