

Onyx LTE USB Dongle

IoT/M2M-optimized LTE Cat 4 USB Modem

MODEL **SC-QGLC4**

SORACOM Onyx LTE USB Dongle is a high performance communications device that enables cellular data connectivity for fixed and mobile applications, such as smart agriculture, healthcare, asset tracking, and remote management applications.

Onyx features a Quectel® EG25-G LTE Cat. 4 module which provides global 4G/LTE, 3G, and 2G cellular connectivity in a single device and is optimized specifically for IoT and M2M applications. With a USB port and driver support for Windows and Linux, Onyx can be installed on a wide variety of devices to easily add global cellular data connectivity.

Onyx includes built-in antennas for easy installation without extra wires or accessories, and also provides two external CRC9 antenna connectors to support custom antenna configurations.

Onyx also features built-in application protocols such as TCP, UDP, PPP, FTP, HTTP, and MQTT, allowing devices to integrate into various system architectures and cloud services quickly without the need for custom code.

Features

- Global 4G/LTE, 3G, and 2G network compatibility
- Compact, rugged design
- Easy installation
- Integrated antennas
- Built-in application protocols



4G/3G/2G technology



Global network compatibility



USB interface



Nano SIM



Application protocols



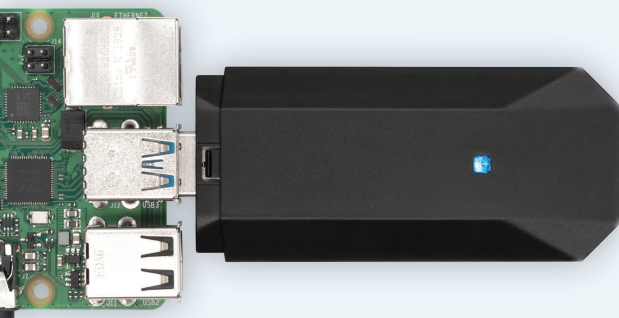
SMS & USSD



AT commands



Status LED



Application Versatility

Onyx's comprehensive features make it ideal for use in a wide variety of industries.



Transportation



Real Estate



Agriculture



Industrial



Healthcare

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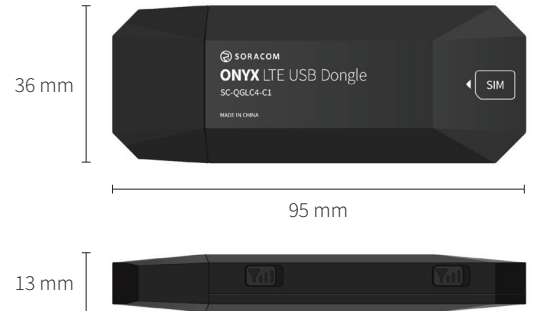
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Specifications

		SC-QGLC4-C1		
CONNECTIVITY	Modem	EG25-G		
	Region	Global		
	Performance	LTE Cat. 4 (3GPP Release 11)		
	Network Bands	4G	LTE-FDD	B1/B2/B3/B4/B5/B7/B8/B12/B13/B18/B19/B20/B25/B26/B28
			LTE-TDD	B38/B39/B40/B41
	3G	UMTS	B1/B2/B4/B5/B6/B8/B19	
	2G	GSM	850/900/1800/1900	
	Packet Data	Max. 150Mbps downlink / Max. 50Mbps uplink		
APPLICATION	Compatibility	3GPP TS 27.007, TS 27.005, Enhanced AT Commands		
	Protocols	TCP, UDP, PPP, FTP, HTTP, MQTT, NTP, NITZ, PING, QMI		
	Messaging	SMS, USSD		
	Operating Systems	Windows 7/8/8.1/10, Linux 2.6 ~ 5.4, Android 4.x/5.x/6.x/7.x/9.x		
INTERFACES	USB	USB 2.0 Type A		
	SIM	Nano SIM (4FF)		
	Antenna	Built-in, 2 × CRC9		
POWER	Operating Voltage	USB powered, 4.2V ~ 6.0V		
	Power Consumption	35mA (idle, typical), 600mA (during communication, typical)		
PHYSICAL	Dimensions	95mm × 36mm × 13mm		
	Weight	36g		
	Casing	PC-ABS		
	Temperature Range	-20°C ~ 60°C (operation), -35°C ~ 85°C (storage)		
	Humidity	5% ~ 75% (operation, non-condensing), Max. 80% (storage, non-condensing)		
CERT'S	Regulatory	FCC, PTCRB, JATE, TELEC, CE*		
	Safety	RoHS		

* Certification in progress

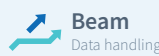


Do more with Soracom

Onyx works with Soracom platform services to bring additional solutions to your IoT/M2M application. Leverage native cloud integration, private networking, and global coverage with a single SIM, to build faster and scale bigger.



Air
Global connectivity



Beam
Data handling



Funk
Serverless functions



Harvest
Data & file storage



Canal
Private networking



Endorse
SIM authentication



Krypton
Device provisioning



Napter
Remote access

LEARN MORE: [https:// developers.soracom.io](https://developers.soracom.io)