

# Onyx LTE USB Cellular Modem

IoT/M2M-optimized LTE Cat 4 USB Modem

# IoT Connectivity and Platform Services

Soracom provides IoT connectivity and platform services to over 20,000 businesses and over 4M connections, with solutions for every challenge in IoT. We're focused on making it easy to connect M2M devices at scale, with a powerful IoT SIM that provides connectivity in 160 countries. Soracom provides direct integrations with the world's leading cloud platforms, making it easy to transmit data from your device to AWS, Google Cloud Platform, or Microsoft Azure.

Our team of IoT experts is on hand to learn more about your challenges, and to discuss how Soracom can help at every stage of your product development lifecycle.



No Lock In's



Flexible Plans



Cloud Agnostic



Total Visibility Sin Sourcon LEUS BOOR BE

The Soracom Onyx LTE USB Cellular Modem 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.

You create. We connect.

Questions? Visit soracaom.io for more information.

# Onyx LTE USB Cellular Modem





Global network compatibility





Nano SIM





SMS & USSD



AT commands



## **Features**

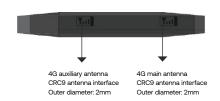
- · Global 4G/LTE, 3G, and 2G network compatibility
- · Compact, rugged design
- · Easy installation
- Integrated antennas
- · Built-in application protocols

# **Onyx LTE USB Cellular Modem Technical Specifications**

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	3G UMTS <b>B1/B2/B4/B5/B6/B8/B19</b>			
		2G	2G GSM <b>850/900/1800/1900</b>			
	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				
O.	Power Consumption	35mA (idle, typical), 600mA (during communication, typical)				
	Dimensions	95mm × 36mm × 13mm				
PHYSICAL	Weight	36g				
	Casing	PC-ABS				
	Temperature Range	$-20^{\circ}$ C $\sim 60^{\circ}$ C (operation), $-35^{\circ}$ C $\sim 85^{\circ}$ C (storage)				
	Humidity	5% ~ 75% (operation, non-condensing), Max. 80% (storage, non-condensing)				
CERTS	Regulatory	FCC, PTCRB, JATE, TELEC, CE*				
	Safety		RoHS			
	* Certification in progress					







# **Onyx LTE USB Cellular Modem Orderable Quantity**

Soracom Part Number	Short Description	Minimum Order Quantity	Order Multiple	Number of devices per pack	Packaging Type
4573326591591	Onyx USB Cellular Modem with eSIM included (AIR plan 01s)	1	1	1	Вох
4573326592031	Onyx USB Cellular Modem with SIM slot	1	1	1	Вох

