



NimbeLink 4G LTE CAT 4 NA

The NimbeLink 4G LTE CAT 4 embedded modem is ideal for delivering fast, reliable cellular connectivity for products in North America. The modem supports GNSS, dual SIMs, a single SKU for North American carrier networks and onboard network stacks.

NimbeLink cellular modems are designed to make cellular integration fast and easy. Exceptionally small, lowest power, and end-device certified, NimbeLink modems enable developers to quickly and reliably connect IoT products to cellular networks around the world. NimbeLink modems are backed by industry leading documentation and expert-level product support.

FEATURES

- All RF Engineering contained within the modem
- Carrier End-Device certified
- U.FL port for flexible antenna options
- Band 14 support – FirstNet ready
- Dual SIM support with integrated solder down SIM and external 3FF SIM card slot
- Direct module access via Serial UART or USB
- GNSS support for GPS, Glonass, Beidou, Galileo, and QZSS
- Multi-Carrier Support on a Single Device
- NimbeLink family pin compatibility
- RoHS compliant
- Development kits available

ADVANTAGES

- CAT 4 LTE Speeds (Up to 150 MB down/50 MB up)
- Easily connect to AT&T, Bell, Rogers, Telus, Verizon
- Improved reception with RX diversity
- 10 Band LTE support
- Integrated GNSS support
- Data plans available

PART NUMBER

	DESCRIPTION
NL-SW-LTE-SRC7611-4	LTE CAT 4, North America, GNSS

TECHNICAL SPECIFICATIONS

TARGET REGION

North America

Compatible Carriers AT&T, Bell, Rogers, Telus, Verizon

CELLULAR TECHNOLOGY

LTE Category LTE CAT 4

LTE Frequency Bands FDD B2[1900], B4[1700], B5[850], B12[700], B13[700], B14[700], B25[1900], B26 [850], B66[1700], B71[600]

3G Technology Supported N/A

3G Frequency Band N/A

2G Technology Supported N/A

2G Frequency Band N/A

DATA SPEEDS

Download Rate and Upload Rate
Download: LTE: 150 Mbps
Upload: LTE: 50 Mbps

HARDWARE

Form Factor NimbeLink Interface

Dimensions 29mm x 33mm x 10.5mm

Weight 8 grams

INTERNET PROTOCOLS

Network Stack Support Integrated TCP/IP, UDP/IP, HTTP, FTP, SSL/TLS, SMTP, IPv4/IPv6, NITZ, PING, PPP Stacks

SMS SMS over IMS

LOCATION

GNSS GPS, Glonass, Beidou, Galileo, and QZSS

POWER SUPPLY

Supply Voltage 3.0V to 5.5V

I/O Voltage 1.65V - 5.5V

Current Consumption	Average N/A Peak N/A Idle N/A Sleep N/A
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INTERFACES

Data Interface	UART, USB (USB 2.0 compliant)
USB Driver Support	OS: Windows 10 Linux Drivers: MBIM ECM RIL WMI PPP RmNet QMI NMEA AT Console
RF	Primary (U.FL), Rx Diversity and MIMO DL 2x2 (U.FL)

SIM

Type	Integrated Verizon SIM, external 3FF slot
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APPROVALS

Regulatory Certifications	FCC, IC, PTCRB (In-Progress)
Carrier Approvals	AT&T (In-Progress), Rogers (In-Progress), Telus (In-Progress), Verizon (In-Progress)
Compliance	RoHS compliant

TEMPERATURE RANGE

Industrial Grade	-40°C to +85°C
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SUPPORT AND WARRANTY

1 Year standard warranty

PATENTS

US 9,838,066
US 9,497,570
US D731,491