Skywire 4G LTE CAT 3

NimbeLink, a global leader in embedded cellular modem technology and asset tracking solutions, has introduced the Skywire® 4G LTE CAT 3 modem. This Skywire modem leverages Category 3 technology and supports LTE, HSPA+, and UMTS communication, minimizing costs of hardware and network access. This modem delivers 100Mbps download and 50Mbps upload, and features a U.FL port for antenna flexibility.

Features

- U.FL port for antenna flexibility
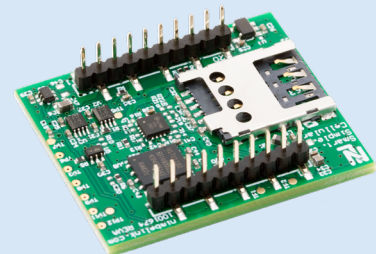- Small form-factor
- Skywire interface

Advantages

- FCC & Verizon OD Certified
- Longest network life
- 100Mbps download/50Mbps upload
- Improved reception with RX diversity
- GPS+GLONASS option
- Bundled data plans available

Part Number	Desription
NL-SW-LTE-TSVG-B	LTE without fallback, GPS, GLONASS, Verizon
NL-SW-LTE-TNAG-B	LTE with HSPA+ fallback, GPS, GLONASS, AT&T

About The Skywire Family

Skywire cellular modems are designed to make cellular integration as fast and as easy as it can be. Exceptionally small, pin-compatible, and end-device certified, Skywire modems enable developers to quickly and reliably connect IoT products to cellular networks around the world. Skywire modems are backed by industry leading documentation and expert-level product support.

Technical Specifications (NL-SW-LTE-TSVG-B, TNAG-B)

Target Region	
	North America
Compatible Carriers	AT&T, Verizon
Cellular Technology	
LTE Category	LTE CAT 3
LTE Frequency Bands	TSVG LTE: B4[1700], B13[700] | TNAG LTE: B2[1900], B4 [1700], B5[850], B17[700]
3G Technology Supported	UMTS, HSPA+
3G Frequency Band	TNAG: B2[1900], B5[850]
2G Technology Supported	GSM
2G Frequency Band	TNAG: GSM850, PCS1900
Data Speeds	
Download Rate and Upload Rate	Download: LTE: 100 Mbps | HSPA+: 42.0 Mbps | WCDMA: 384 Kbps | EDGE: 296 Kbps Upload: LTE: 50 Mbps | HSPA+: 5.76 Mbps | WCDMA: 384 Kbps | EDGE: 236.8 Kbps
Hardware	
Form Factor	Skywire 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 GPRS
Location	
GNSS	GPS, GLONASS
Power	
Supply Voltage	3.5V - 4.3V (3.8V nominal)
I/O Voltage	1.65V - 5.5V
Current Consumption	Average 250 mA | Peak 590 mA | Idle 40 mA | Sleep N/A
Interfaces	
Data Interface	UART, USB (USB 2.0 compliant)
USB Driver Support	OS: Windows 7 | Windows 8 | Windows 10 | Linux Drivers: MBIM | PPP | RNDIS | QMI | NMEA | AT Console
RF	Primary (U.FL), Rx Diversity and MIMO DL 2x2 (U.FL)
SIM	
Type	3FF SIM card slot
Approvals	
Regulatory Certifications	PTCRB, FCC
Carrier Approvals	AT&T, Rogers, Verizon
Compliance	RoHS compliant
Temperature Range	
Industrial Grade	-40°C to +85°C
Support and Warranty	
	1 Year standard warranty

About NimbeLink

NimbeLink is the world's most trusted partner for cellular solutions for the Industrial Internet of Things (IIoT). The Skywire® series of cellular embedded modems, enable dramatic reduction in development and time-to-market. NimbeLink also develops and markets complete, highly configurable edge-to-enterprise Asset-Tracking Solutions.

For more information, visit NimbeLink.com