

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

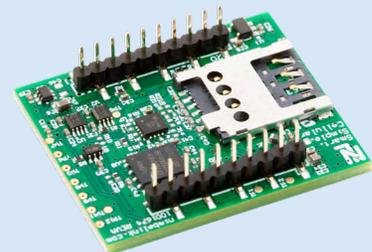
- FCC & Verizon OD Certified
- Longest network life
- 100Mbps download/50Mbps upload
- Improved reception with RX diversity
- GPS+GLONASS option
- Bundled data plans available



Part Number	Description
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

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