

# Skywire 4G LTE CAT 1

NimbeLink, a global leader in embedded cellular modem technology and asset tracking solutions, has introduced the patented Skywire<sup>®</sup> LTE CAT 1 embedded modem based on the Gemalto LTE CAT 1 module. Like all modems in the Skywire family, the LTE CAT 1 modem is end-device certified and compatible with a variety of NimbeLink development kits, adapters, and microprocessor capes. This modem is designed for deployment within the U.S. on the Verizon LTE network.

## Features

- Small form-factor
- Lowest power LTE available today
- No carrier certification required
- Skywire interface
- Easy migration path, future-proof
- Approved for single antenna use
- 2 U.FL port provides antenna flexibility
- Development kits available

## Advantages

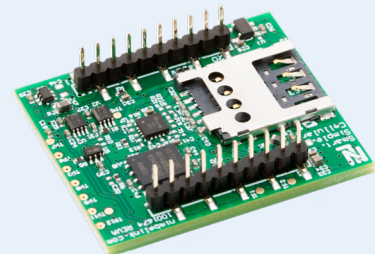
- Approvals: FCC, Verizon ODI
- Onboard TLS stack
- 3FF Micro-SIM card slot
- Lower power than 2G, 3G, and 4G LTE CAT 3/4



Part Number	Description
NL-SW-LTE-GELS3	Skywire, LTE CAT 1, Verizon

## 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-GELS3)

<b>Target Region</b>	
	United States
Compatible Carriers	Verizon
<b>Cellular Technology</b>	
LTE Category	LTE CAT 1
LTE Frequency Bands	LTE B4 [1700], B13 [700]
3G Technology Supported	N/A
3G Frequency Band	N/A
2G Technology Supported	N/A
2G Frequency Band	N/A
<b>Data Speeds</b>	
Download Rate and Upload Rate	Download: LTE: 10 Mbps   Upload: LTE: 5 Mbps
<b>Hardware</b>	
Form Factor	Skywire Interface
Dimensions	29mm x 33mm x 10.5mm
Weight	8 grams
<b>Internet Protocols</b>	
Network Stack Support	Integrated TCP/IP, UDP/IP, HTTP/HTTPS, FTP, SMTP, IPv4/IPv6, NITZ, PING, PPP Stacks
SMS	SMS over IMS
<b>Location</b>	
GNSS	N/A
<b>Power</b>	
Supply Voltage	3V - 5.5V (3.8V nominal)
I/O Voltage	1.65V - 5.5V
Current Consumption	Average 135 mA   Peak 700 mA   Idle 48 mA   Sleep 8.6 mA
<b>Interfaces</b>	
Data Interface	UART, USB (USB 2.0 compliant)
USB Driver Support	OS: Windows XP   Windows Vista   Windows 7   Windows 8   Windows 10   Linux Drivers: PPP   ECM   ACM   AT Console
RF	Primary (U.FL), Rx Diversity and MIMO DL 2x2 (U.FL)
<b>SIM</b>	
Type	3FF SIM card slot
<b>Approvals</b>	
Regulatory Certifications	FCC
Carrier Approvals	Verizon
Compliance	RoHS compliant
<b>Temperature Range</b>	
Industrial Grade	-40°C to +85°C
<b>Support and Warranty</b>	
	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](http://NimbeLink.com)**

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