

Skywire 4G LTE-M

NimbeLink, a global leader in embedded cellular modem technology and asset tracking solutions, introduced the Skywire[®] LTE CAT M1 modem in January 2017, becoming the first modem to be end-device certified on the Verizon 4G LTE Network. This low-power low-cost Skywire[®] modem features a U.FL port for antenna flexibility and is pin-compatible, enabling future-proof migration to new technologies.

Features

- No carrier certification required
- Small form-factor
- Skywire interface
- Easy migration path makes them future-proof
- 1 U.FL port provides cellular antenna flexibility
- Requires a UART connection
- Support a wide range of voltages for design flexibility
- Development kits available

Advantages

- Approvals: FCC and Verizon ODI
- Lower power than 2G, 3G, and 4G LTE CAT 3/4
- Comparable to LoRa and other LPWAN price points

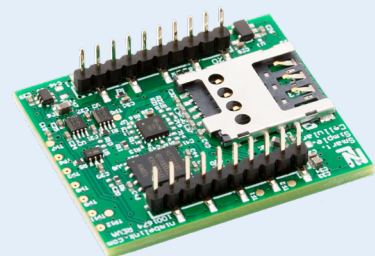


Part Number	Description
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NL-SW-LTE-SVZM20	Skywire, LTE-M, Verizon
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About The Skywire Family

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-SVZM20)

Target Region	
	United States
Compatible Carriers	Verizon
Cellular Technology	
LTE Category	LTE-M
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
Data Speeds	
Download Rate and Upload Rate	Download: LTE-M: 375 Kbps Upload: LTE-M: 375 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, IPv4/IPv6, NITZ, MQTT, PPP Stacks
SMS	SMS supported
Location	
GNSS	N/A
Power	
Supply Voltage	3.1V - 4.5V (3.8V nominal)
I/O Voltage	1.65V - 5.5V
Current Consumption	Average 96 mA Peak 500 mA Idle 19 mA Sleep 5.8uA
Interfaces	
Data Interface	UART, USB (USB 2.0 compliant)
USB Driver Support	OS: Windows 7, Windows 8, Windows 10, Linux Drivers: PPP AT Console
RF	Primary, SISO DL (U.FL)
SIM	
Type	3FF SIM card slot
Approvals	
Regulatory Certifications	FCC
Carrier Approvals	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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