



## NimbeLink 4G LTE CAT 1 WW

Airgain, a global leader in embedded cellular modem technology and asset tracking solutions, has introduced the NimbeLink 4G LTE CAT 1 WW modem. This NimbeLink modem leverages Category 1 technology. The NL-SW-LTE-TC1WWG is ideal for delivering fast reliable cellular connectivity to products with applications World Wide. The modem supports GNSS, dual SIMs, a single SKU for both AT&T / Verizon networks, integrated TCP/IP stacks, plus is AT&T's FirstNet (Band 14) capable.

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

- Small form-factor
- 4G LTE Category 1 with 3G fallback\*
- U.FL Antenna ports for easy antenna integration
- Band 14 support – FirstNet on AT&T's network
- Dual SIM support with integrated solder down SIM and external 3FF SIM card slot
- GNSS support for GPS, Glonass, Beidou, Galileo, and QZSS
- Multi-Carrier Support on a Single Device

### ADVANTAGES

- Longest Network Life
- CAT 1 LTE Speeds (Up to 10 Mb down/5 Mb up)
- Easily connect to Verizon or AT&T networks.
- Improved reception with RX diversity
- 8 Band LTE support
- Integrated GNSS support

### PART NUMBER

	DESCRIPTION
NL-SW-LTE-TC1WWG	LTE CAT 1, World Wide, GNSS

## TECHNICAL SPECIFICATIONS

### TARGET REGION

Global

Compatible Carriers AT&T, Orange, Telstra, Telus, T-Mobile, Verizon, Vodafone, and more

### CELLULAR TECHNOLOGY

LTE Category LTE CAT 1

LTE Frequency Bands FDD B1[2100], B2[1900], B3[1800], B4[1700], B5[850], B7[2600], B8[900], B12[700], B13[700], B14[700], B19[850], B20[800], B26[850], B28[700]

3G Technology Supported\* DC-HSPA+

3G Frequency Band B1[2100], B2[1900], B3[1800], B5[850], B8[900], B19[850]

2G Technology Supported GSM, EDGE, GPRS

2G Frequency Band GSM850, EGSM900, DCS1800, PCS1900

### DATA SPEEDS

Download Rate and Upload Rate  
 Download: LTE: 10 Mbps | HSPA+: 42.0 Mbps  
 Upload: LTE: 5 Mbps | HSPA+: 5.76 Mbps

### HARDWARE

Form Factor NimbeLink Interface

Dimensions 29.85mm x 34.4mm 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 3.4V to 4.2V (3.8V nominal)

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 7/8/10   Linux Drivers: MBIM   PPP   RNDIS   ECM   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 (in progress), IC (in progress), PTCRB (in progress) FCC (in progress), IC (in progress), PTCRB (in progress)
Carrier Approvals	AT&T, Rogers (In-Progress), Telus (In-Progress), Verizon, and more
Compliance	RoHS compliant

#### TEMPERATURE RANGE

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

1 Year standard warranty, \*3G may not be available in your area