NimbeLink's Skywire™ CAT M1 embedded modems take full advantage of the modern 4G LTE network. Based on the Sequans Monarch chipset, the Skywire Cat M1 modem is the first Cat M1 embedded modem with FCC and carrier-required end-device-certification, eliminating months of testing and tens of thousands of dollars in cost for product developers. Skywire Cat M1 LTE modems are the smallest in the industry and are compatible with a variety of Skywire development kits and microprocessor shields.

## Product Brief

| Part Numbers | Description |
| --- | --- |
| NL-SW-LTE-SVZM20 | Skywire™, LTE CAT M1, Verizon |
| NL-SW-LTE-SVZM21 | Skywire™, LTE CAT M1, Verizon, GPS/GNSS |

## Features

- Industry's smallest form-factor
- No carrier certification required
- XBee® interface standard
- Easy migration path makes them future-proof
- 1 U.FL port provides cellular antenna flexibility
- 1 U.FL port provides GPS 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

# Technical Specifications

NL-SW-LTE-SVZM

| Form Factor | |
|---|---|
| | Skywire™, XBee® Standard Interface |
| | 29mm x 33mm x 10.5mm |

| Speed | |
|---|---|
| | 300 Kbps download |
| | 375 Kbps upload |

| Power | |
|---|---|
| | Active call: 2.5W |
| | Normal: TBDuA |
| | Power savings: TBDuA |

| Current Consumption | |
|---|---|
| | Input voltage: 3.14V - 5.5V |
| | I/O voltage: 1.65V - 5.5V |

| Approvals | |
|---|---|
| | Regulatory:  FCC |
| | Verizon ODI |

| SIM Slot | |
|---|---|
| | Micro SIM connector |

| Temperature Range | |
|---|---|
| | -40C to +85C |

| Support and Warranty | |
|---|---|
| | 1 Year standard warranty |

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