

Skywire[®] LTE CAT M1

End-Device Certified Modem



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.

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

Product Brief

Part Numbers	Description
NL-SW-LTE-SVZM20	Skywire, LTE CAT M1, Verizon

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 interface 29mm x 33mm x 10.5mm
Speed	300 Kbps download 375 Kbps upload
Power	Input voltage: 3.1V - 5.1V I/O voltage: 1.65V - 5.5V Active cell: 0.70W @3.80V Idle: 187mA @3.80V Power savings (PSM): 5.38uA @3.80V Off: 5.35uA @3.80V
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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