Skywire™ LTE CAT 4
End-Device Certified Modem

The NimbeLink Skywire™ end-device certified modem adds robust cellular connectivity to IoT solutions without the cost, delay, and difficulty of regulatory (FCC) and Carrier (Verizon and AT&T) certifications. Time to market is critical – with Skywire, users can quickly, easily, and economically incorporate fully-compliant cellular connectivity into devices.

With extensive experience in designing and building embedded product solutions, NimbeLink's Skywire has the industry's smallest footprint, and is the first LTE CAT 4 end-device certified modem to market. Skywire's U.FL port ensures antenna flexibility, and it complies with the popular XBee® interface standard. In addition, Skywire supports 4G and 3G communication, minimizing the costs of hardware and network access.

Take the complexity out of designing cellular IoT solutions with NimbeLink Skywire.

Product Brief

Part Numbers	Description
NL-SW-LTE-S7588-V	Skywire™ LTE CAT 4 Modem Based on Sierra Wireless AirPrime® HL7588 Module (Verizon Model)
NL-SW-LTE-S7588-T	Skywire™ LTE CAT 4 Modem Based on Sierra Wireless AirPrime® HL7588 Module (AT&T and others Model)

Features

- Industry's smallest fully certified embedded modem
- U.FL port for antenna flexibility
- Standard XBee® interface standard
- 4G LTE CAT 4 with 3G HSPA+ fall-back

Advantages

- Carrier and regulatory certified for North America
- Future-proof design
- CAT 4 LTE speeds for data intensive applications
- 4G LTE for network longevity
- Improved reception with RX diversity
- Penta-Band LTE and dual-band HSPA+
- Available for AT&T or Verizon
- FOTA management via Sierra AVMS
- Development kits available

Technical Specifications

NL-SW-LTE-S7588

Form Factor

Skywire™, XBee® Standard

29mm x 34mm

Frequency Bands

LTE: B2/B4/B5/B13/B17

HSPA+ Fall-back: Release 9 & Category 24 on B2 & B5

Approvals

Regulatory: FCC, PTCRB

Carrier: Verizon, AT&T and others

Modem Communication

UART and/or USB

Speeds

CAT 4 speed capable of 150Mbps download

50Mbps upload

Current Consumption

Input voltage: 3V-5.5Vdc

I/O voltage: 1.65V-5Vdc

Sleep mode: 1.4mA Typical

Communication mode: 560-750mA Typical

Temperature Range

Operating and storage temperature -40C to +85C (Non-Condensing)

Antenna Specifications

U.FL Primary and diversity

SIM Slot

Micro SIM connector

Cloud Services

FOTA through AVMS

Support and Warranty

1 Year standard warranty

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