

Skywire[®] LTE CAT4

End-Device Certified Modem



Add robust cellular connectivity to your M2M devices without the cost, delay, and hassle of federal and carrier certifications. Extensive experience in designing and building embedded product solutions makes the NimbeLink Skywire[®] end-device certified modems the smallest and first to market with LTE CAT 4 technology. Its U.FL port ensures antenna flexibility. It complies with the Skywire interface and supports LTE and UMTS communication, minimizing costs of hardware and network access. And Verizon's commitment to the LTE network helps ensure the longest product life.

The NimbeLink Skywire is available with bundled data plans from leading cellular carriers. The current version supports Verizon's network. Other products in the lineup include GSM and CDMA 1xRTT, and our solutions let you quickly, easily, and economically incorporate fully-compliant cellular connectivity into devices without having to apply for certification. Take the complexity out of designing cellular M2M solutions.

Take the complexity out of designing cellular IoT solutions with NimbeLink's 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

- Small form-factor
- U.FL port for antenna flexibility
- Skywire interface
- 4G LTE CAT 4 with 3G HSPA+ fallback

Advantages

- FCC Certified
- Longest Network Life
- CAT 4 LTE Speeds (150 MB down/50 MB up)
- Improved reception with RX diversity
- 3V-5V input
- Penta-Band LTE and Dual-band UMTS
- (Supported Bands) LTE B2, LTE B4, LTE B5, LTE B13, LTE B17, UMTS B2, UMTS B5

Technical Specifications

NL-SW-LTE-S7588

Form Factor	Skywire interface 29mm x 33mm x 10.5mm
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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