



Region: Americas

Air Interface: 4G LTE Cat-1

Carrier: Verizon,AT&T,T-Mobile,Sierra Wireless,Sprint (Data Only)

AirPrime® WP7611-1 IoT Module

Optimized 4G LTE Cat-1 connectivity for public safety networks in North America

The WP7611-1 module is part of the WP Series offering a secure device-to-cloud architecture enabling IoT developers to build a Linux-based product on a single module – reducing overall system complexity and time-to-market.

This LTE Cat-1 wireless module is ideal for low-bandwidth IoT applications that require real-time communication along with the longevity and network quality that 4G LTE networks bring.

Delivering up to 10Mbps download speed, many organizations are using Cat-1 networks as a stepping stone to lowpower wide-area (LPWA) networks as 4G LTE can provide a superior user experience over 2G and 3G technologies.

Technical Specifications

4G LTE

Category	Cat-1
Frequency Bands	B2, B4, B5, B12, B13, B14, B25, B26, B66, B71

3G

HSPA+, UMTS	B2, B4, B5
-------------	------------

DATA SPEED

Peak Download Rate	10 Mbps
Peak Upload Rate	5 Mbps

LOCATION SERVICES

Satellite Systems	Galileo, Glonass, GPS, BeiDou
-------------------	-------------------------------

CORES

Application Core ARM®	Cortex™- A7 (1.3GHz)
-----------------------	----------------------

Telecom Core	QDSP6
--------------	-------

EMBEDDED SOFTWARE

Firmware	Secure boot, Pre-certified firmware
----------	-------------------------------------

Embedded Platform	Legato® open source
-------------------	---------------------

Linux Distribution	Yocto, Long-term supported Linux Kernel (LTSI)
--------------------	--

Audio	Codec: HR, FR, EFR, AMR, Digital Audio, DTMF, Echo Cancellation & Noise Reduction, PCM
-------	--

System Drivers	Windows® 7, Windows® 8, Windows® 10, Linux Driver: Standard ECM, Android RIL
----------------	--

INTERFACES

UART	1 X 8-wire, 2 X 4-wire
USB	1
I2C	1
ADC	2
GPIO	8
Tx ON Indicator	1
SIM interface 1.8V/3V	1
SPI	1

HARDWARE

CF3 Form Factor LGA, Snap-in socket option

Dimensions 22x23x2.5mm

Antenna Diversity, MIMO

Temperature Range Industrial Grade: -40°C / +85°C

APPROVALS

Carrier AT&T, T-Mobile, Verizon, Sierra Wireless, Sprint (Data Only)

Regulatory FCC, GCF, IC, PTCRB

EMBEDDED SIM (Sierra Wireless USIM)
Optional Ready-to-
Connect

CLOUD SERVICES Free Unlimited FOTA upgrades, Connectivity Management option, Device Management option

OCTAVE ENABLED Variant available with Octave all-in-one edge-to-cloud solution