



Region: Americas

Air Interface: 4G LTE Cat-4

Carrier: Verizon, AT&T, Sierra Wireless

AirPrime® WP7610 IoT Module

Reliable 4G LTE Cat-4 M2M connectivity for public safety networks in North America

The WP7610 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.

This LTE Cat-4 embedded module delivers up to 150 Mbps download speed and is ideal for IoT applications requiring broadband connectivity such as public safety, industrial gateways, transportation, and mission-critical networking applications.

Offering an application processor running the open source Legato® platform with optional GNSS receiver, the WP7610 reduces system complexity and gets you to market faster.

Technical Specifications

4G LTE

Category	Cat-4
Frequency Bands	B2, B4, B5, B12, B13, B14, B17, B66

3G

HSPA+, UMTS	B2, B4, B5
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DATA SPEED

Peak Download Rate	150 Mbps
Peak Upload Rate	50 Mbps

LOCATION SERVICES

Satellite Systems	Galileo, Glonass, GPS, BeiDou
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CORES

Application Core ARM®	ARM® Cortex™- A7 (1.3GHz)
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Telecom Core	QDSP6
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EMBEDDED SOFTWARE

Firmware	Secure boot, Pre-certified firmware
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Embedded Platform	Legato® open source
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Linux Distribution	Yocto, Long-term supported Linux Kernel (LTSI)
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Audio	Codec: HR, FR, EFR, AMR, Digital Audio, DTMF, Echo Cancellation & Noise Reduction, PCM
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System Drivers	Windows® 7, Windows® 8, Windows® 10, Linux Driver: Standard ECM, Android RIL
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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