



## MODULE AIRPRIME WP8548

Module HSPA/WCDMA, quad-band GSM | GPRS | EDGE | GNSS



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**SKU:** AirPrime WP8548

### AirPrime WP8548 : Un module MtoM complet 2G, 3G et GNSS

Plus qu'un simple modem cellulaire, la série WP de prochaine génération fournit une architecture sécurisée de périphérique à nuage permettant aux développeurs d'IOT de construire un produit Linux sur un seul module, réduisant ainsi la complexité globale du système et le délai de mise sur le marché.

Le WP8548 est un HSPA, WCDMA et quad-band GSM / GPRS / EDGE et GNSS Module sans fil embarquée.

## Spécifications Techniques

<b>3G</b>	HSPA+, UMTS : B1, B2, B5, B6, B8, B19
<b>2G</b>	EDGE, GSM, GPRS : 850, 900, 1800, 1900
<b>DATA SPEED</b>	Peak Download Rate : 42Mbps Peak Upload Rate : 5.76Mbps
<b>LOCATION SERVICES</b>	Satellite Systems : Galileo, Glonass, GPS
<b>CORES</b>	Application Core : ARM® Cortex™- A5 (550MHz) Telecom Core : QDSP6
<b>EMBEDDED SOFTWARE</b>	Firmware : 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, I2S, PCM System Drivers : Windows® 7, Windows® 8, Windows® 10, Linux Driver: Standard ECM
<b>INTERFACES</b>	UART : 2 USB : 1 I2C : 1 ADC : 4 GPIO : 20 Tx ON Indicator : 1 SIM interface 1.8V/3V : 2 SPI : 1 SDIO : 1 Flash LED output : 1
<b>HARDWARE</b>	CF3 Form Factor : LGA, Snap-in socket option Dimensions : 22x23x4.4mm Temperature Range :Industrial Grade: -40°C / +85°C
<b>APPROVALS</b>	Carrier : T&T, Sierra Wireless Regulatory : FCC, GCF, IC, JRF/JPA, NCC, PTCRB
<b>CLOUD SERVICES</b>	Free Unlimited FOTA upgrades, Connectivity Management option, Device Management option, Application Enablement option

## Bénéfices



### Common Form Factor

Compact [CF3@ design](#) to migrate between technologies and future-proof product platforms



### Application Processing

Dedicated ARM core application processor running Legato® open source software



### Open Hardware

[mangOH@](#) reference designs enable rapid prototyping and proof of concepts



### Global

Worldwide coverage on a single module with industry and mobile network certifications to get you to market faster



### FOTA Upgrades

FREE unlimited [firmware over-the-air \(FOTA\)](#) upgrades future-proof deployments and keep them secure



### Cloud Connected

Securely collect data and remotely manage your IoT deployments with integrated [AirVantage@](#) cloud services



### Ultra-Low Power Mode

Reduce power consumption by 200x for battery or solar powered applications



### Location Services

Integrated GNSS receiver enables tracking and location-based services (optional)



### Industrial-Grade

Tested for harsh environments and extreme temperatures



#### **Network Switching**

Switch networks anytime with up to three different certified firmware variants on board