

WIRELESS SOLUTIONS FOR EVERYONE

PRE-PACKAGED SOLUTION OVERVIEW
WAVECOM OPERATING SYSTEM 6.60
HARDWARE PLATFORM Q2686

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Wireless Computing Power

wavecom 

SOLUTION: OS 6.60 on Q2686

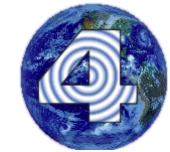
Introduction



- Intro
- Position
- Platform
- OS
- Open AT
- Dev Tools
- DOTA
- IPR
- Quality
- Packages
- Services
- Roadmap

click to go

- OS 6.60 on Q2686 is the latest in a range of pre-packaged solutions from Wavecom that:
 - brings powerful **Wireless Computing Power** for Automotive, M2M and Mobile Professional applications,
 - supports as standard, the most powerful **Cellular Embedded Application Environment**
 - works on **any global GSM network**, thanks to **Quad Band*** and **Quad Codec****
 - is **interchangeable** with its CDMA brother, **Q2638**
 - has **largest set of hardware interfaces** available in a GSM modular hardware platform.



*850MHz,900MHz,1800MHz,1900MHz

**HR,FR,EFR,AMR



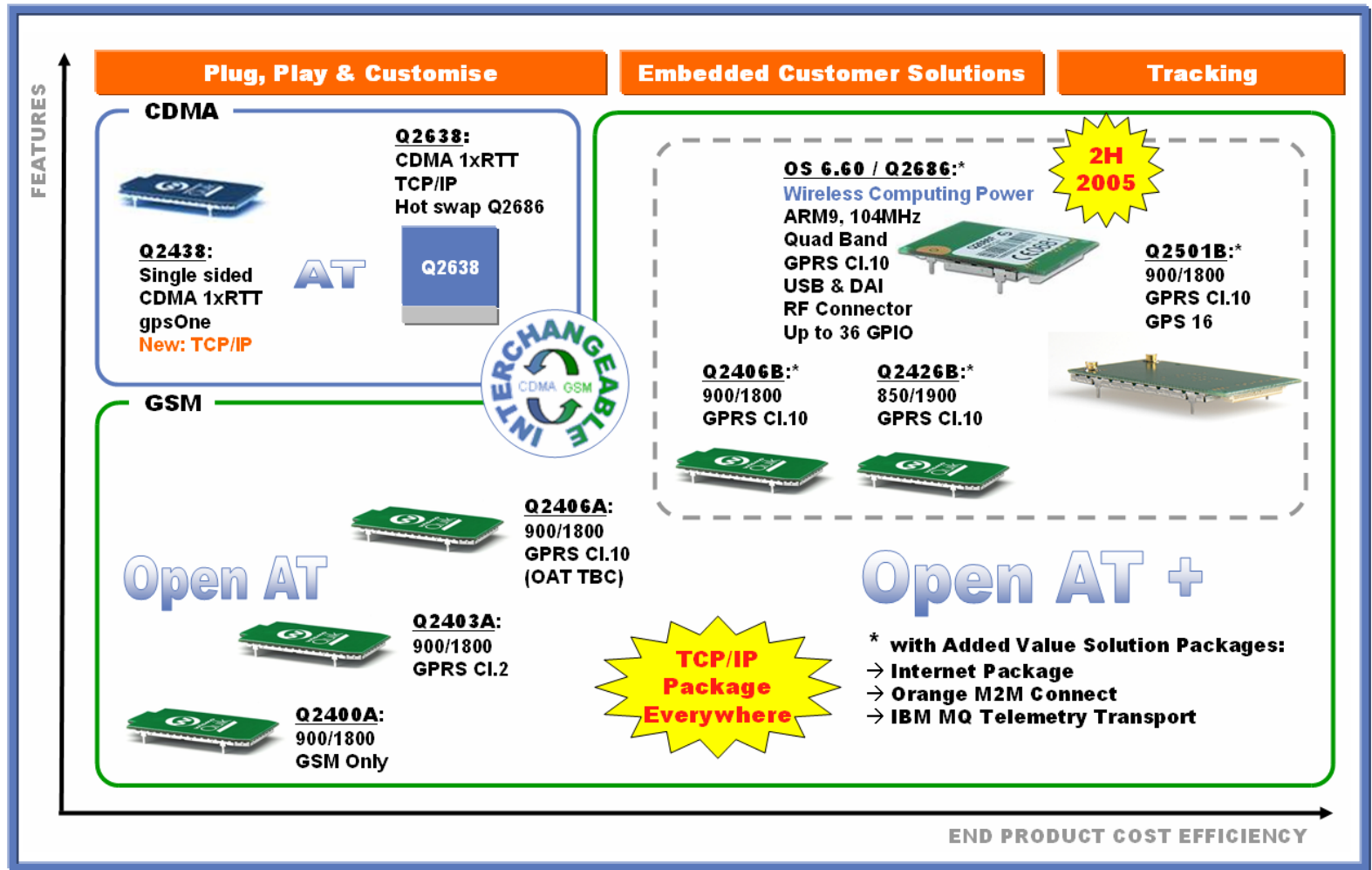
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Solution Positioning



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click to go



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Hardware Platform



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click to go

The tiny* Q2686 Hardware Platform supports:

Class leading **Wireless Computing Power**



- **More RAM for Open AT** : 4 x for both Q2686F & Q2686G**
- **More Flash for Open AT** : 2 x for Q2686G**
- **Extended Temperature range** : -35/+85°C & -40°C for Auto
- **Largest set of interfaces** on the market:
 - ➔ USB 1.1, 36 GPIO, 2 UART, 2 SPI, 2 Audio, DAI, DAC, 2 ADC, 2 Interrupt, 5 x 5 Keyboard, LCD
- **Embedded RF connector** or solder cable



* 40 x 32.2 x 3.9mm ** compared to Q24 GSM Series



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Operating System



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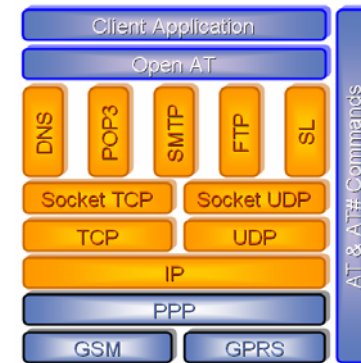


At the heart of the Q2686 beats the powerful Wavecom Operating System 6.60 that provides:

- **Open AT** application environment.
- **Real time processing***
- **Internet Package** as standard:

- **Basic Internet Protocols** : TCP/IP/UDP/DNS
- **Extended Clients** : Email (POP3, SMTP), File Transfer (FTP)

- **Extreme Low Power** modes:
 - **Mode 1** (32KHz), **Mode 2** (GSM Disconnected), **Mode 3** (Alarm)*
- Enhanced audio **echo cancellation** and **noise reduction**



**99% of CPU available in GSM disconnected mode with guaranteed response time*



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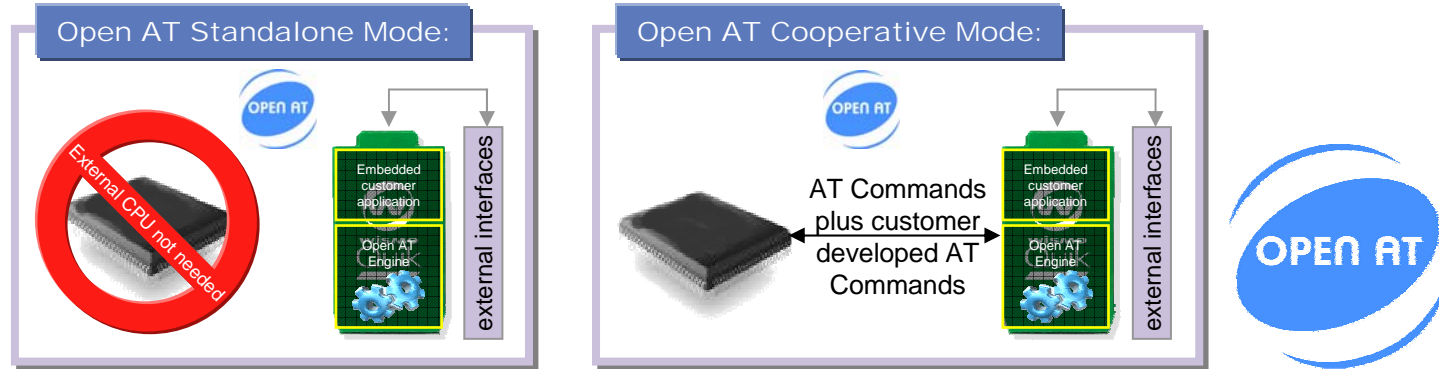
Open AT



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- Position
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- IPR
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- Roadmap

click to go

- OPEN AT is the worlds leading **CELLULAR EMBEDDED APPLICATION ENVIRONMENT** for the creation of innovative applications because it allows you to:
 - **develop** and **execute** your applications **directly** on Wavecom modules,
 - **eliminate** external host **processors, memory & discretes** & associated design costs
 - **reduce** the total **cost of ownership** for **end-to-end solutions**,
 - **reduce** the physical **size** of the end product,
 - **reduce** the **power consumption** using a range of dedicated low power modes,
 - **update** your application using **DOTA** to release new features or correct software issues
 - **secure** your **investment** in your **intellectual property** via copy and reverse engineering protection,
 - **develop** new **features** on the module while other suppliers have to make new modules.



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Development Tools



- Intro
- Position
- Platform
- OS
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click to go

The Open AT Development Environment provides a rich set of easy to use graphical tools:

- 1 Open AT Project Wizard
 - 2 Visual C++ Development Environment
 - 3 Open AT Settings Application
 - 4 Remote Task Monitor
- HTML Help

1

2

3

4



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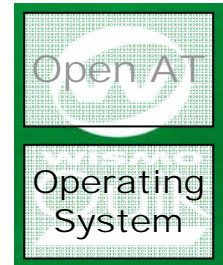
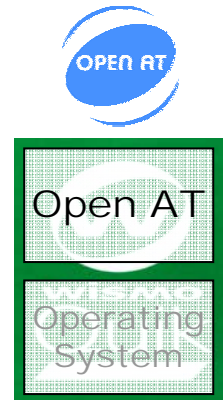
Download Over The Air



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- DOTA Type 1 : Open AT Application
 - **Update** your applications **remotely** in the field*.
 - **Save costs** of visiting or recalling product from the field.
 - Use it to **deliver new features** or rectify abnormalities.
- DOTA Type 2 : Wavecom Operating System
 - OS 6.60 allows you to download the entire **Wavecom Operating System over the air.**
- Both DOTA Types are designed to increase service revenue for System Integrators and Service Providers.



**512MByte available for customer application download*



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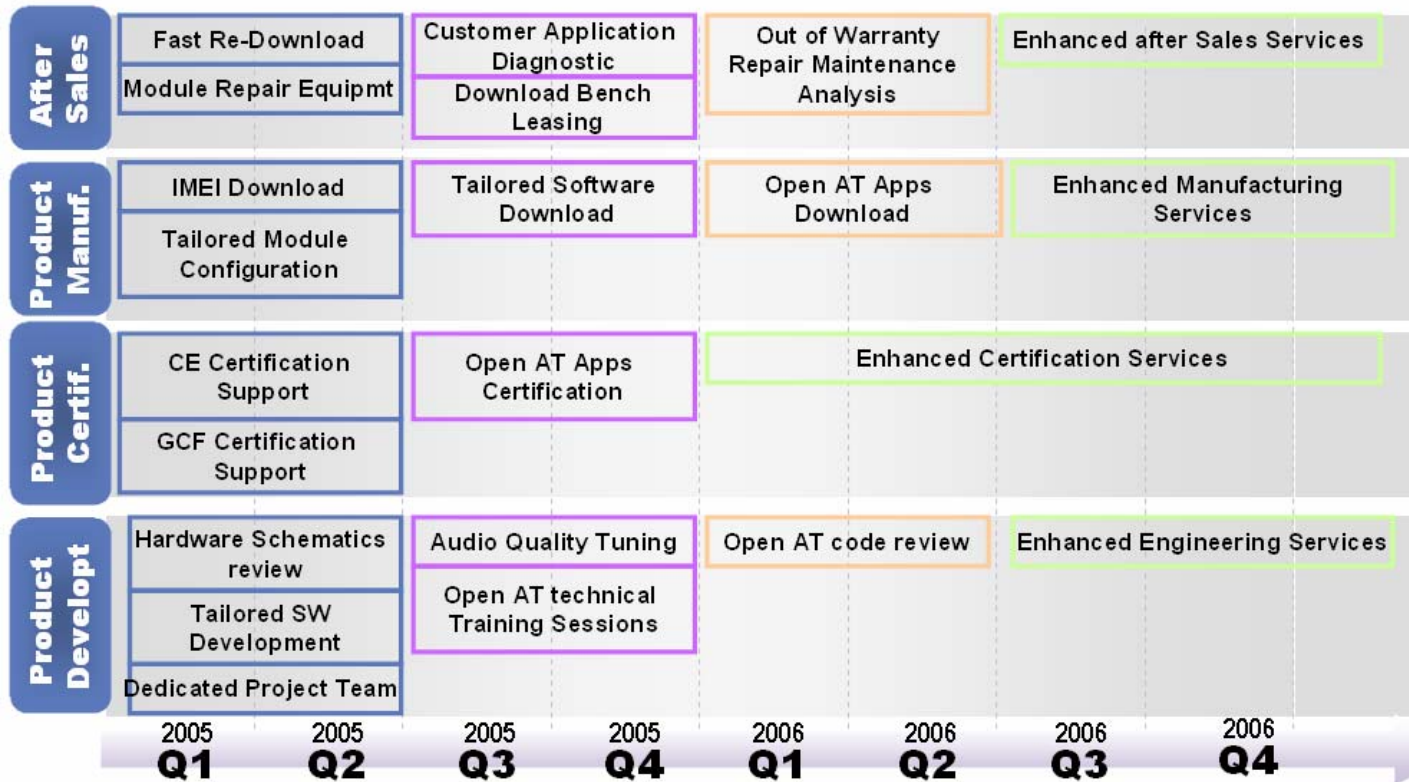
Wavecom Services



- Intro
- Position
- Platform
- OS
- Open AT
- Dev Tools
- DOTA
- IPR
- Quality
- Packages
- Services**
- Roadmap

↑
click to go

Value added services roadmap



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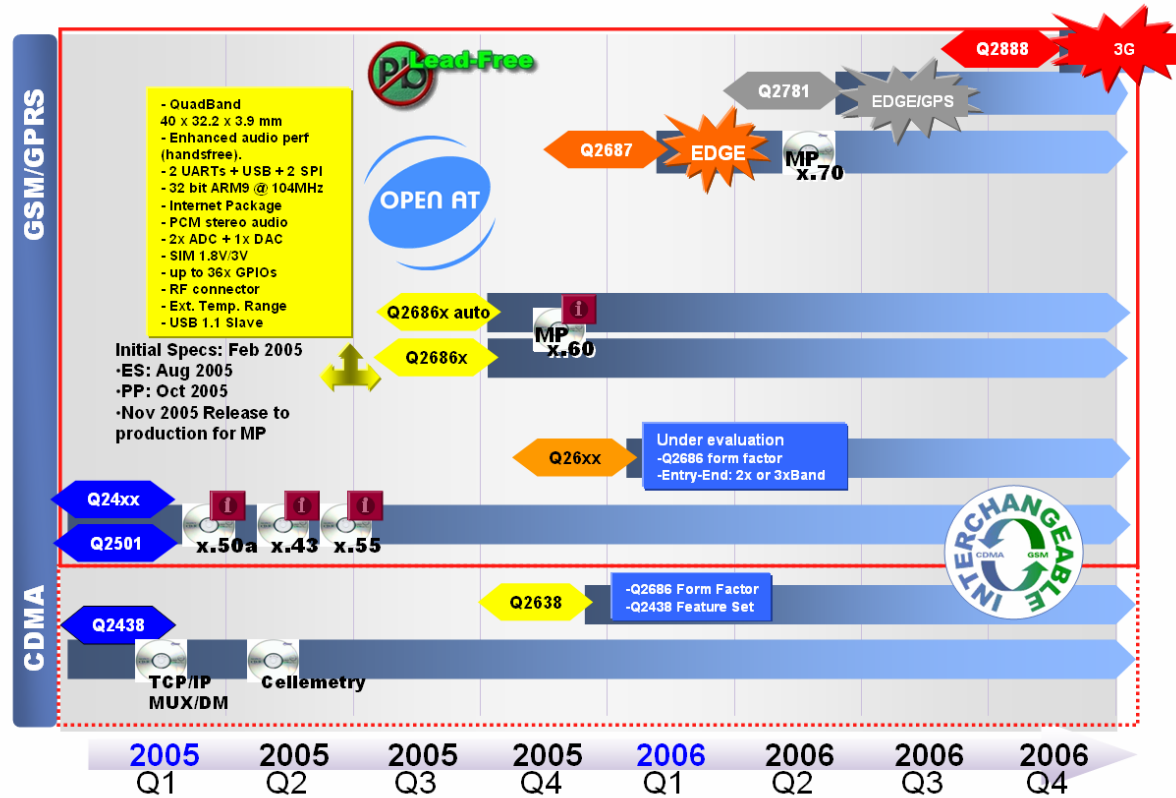
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- The new 100 pin connector paves the way to EDGE and 3G.



Other products currently available include: Q2358C, M1206B, M2106B, Q3106x, P5186x

click to go

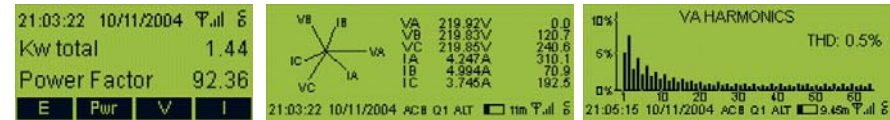


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REAL EXAMPLE OF OPEN AT REDUCING COST OF OWNERSHIP



- Single Phase AMR
 - Proof of Concept
- WISMO with **Open AT** and **Internet Package** providing:
 - LCD Control
 - User Interface
 - Optical Interface
 - Email reporting
 - NTP time synchronisation
 - Cooperative Processor Interface
- Cooperative Processor: ST or ADI



WAVECOM'S PROMISE



- Financially Stable
- IPR coverage for ALL our products
- Quality Conscious
- Reliability
- Carrier Approval in all major markets
- Flexibility
- Neutrality
- Online Support



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THANK YOU

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