CONNECTED
BUS

WHAT IS IT?

At Wavecom, we see the **Connected Bus** as a complete connectivity solution based on **Onboard Hardware**, completed via **Centralized Management Software**.
This enables not only Wi-Fi connectivity for passengers, but also connectivity for intelligent onboard systems:
We support Real-Time Fleet Information, Advanced Passenger Counting, Origin & Destination Matrixes, as well as Integration of 3rd-party Systems (Predictive Maintenance, Eco-Driving, Advertisement / Entertainment).

WHAT DOES IT CONSIST OF?

A Connected Bus by Wavecom includes both our own hardware (the WaveOnRoad Connectivity Router) and our management platform (Wavecom IoT Manager).

→ **An advanced equipment designed by us to meet Bus and Passenger Transportation requirements, and providing reliable onboard connectivity for your fleet.**

→ **A single multi-tenant platform capable of centralizing all functionalities and supporting all deployment sizes, from a few vehicles to full urban networks.**

Our systems are easy to install and manage, particularly from a provisioning and commissioning point of view
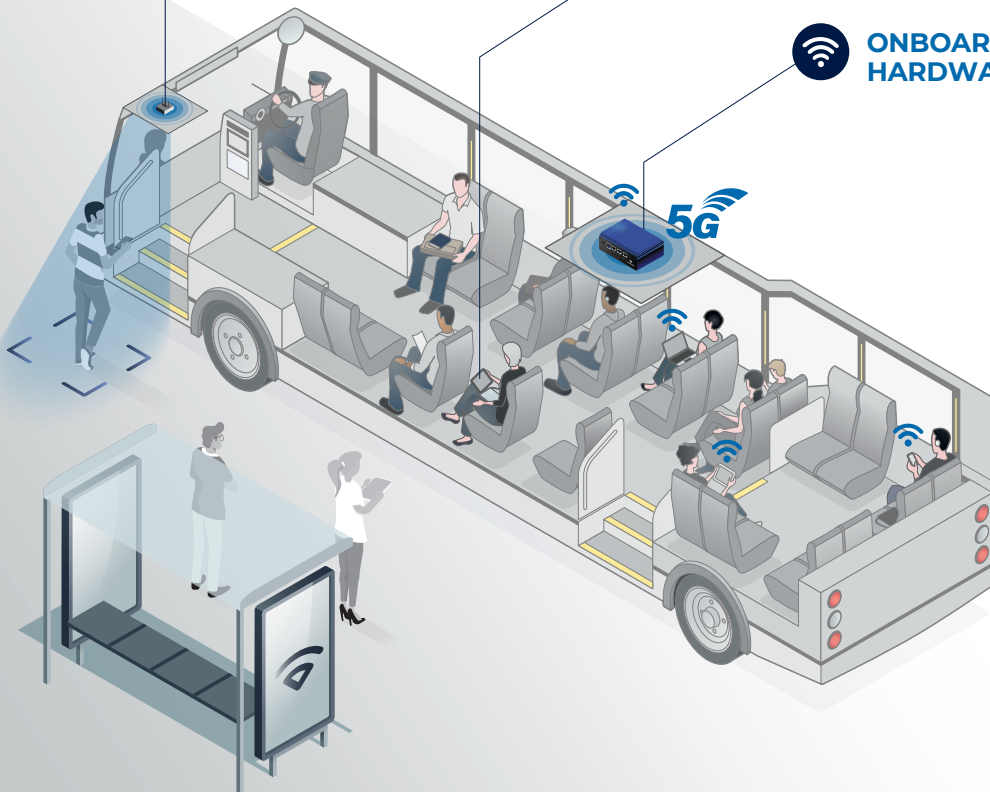
CONNECTED
BUS

PEOPLE COUNTING SENSORS

CAPTIVE PORTAL COMMUNICATION WITH THE PASSENGER
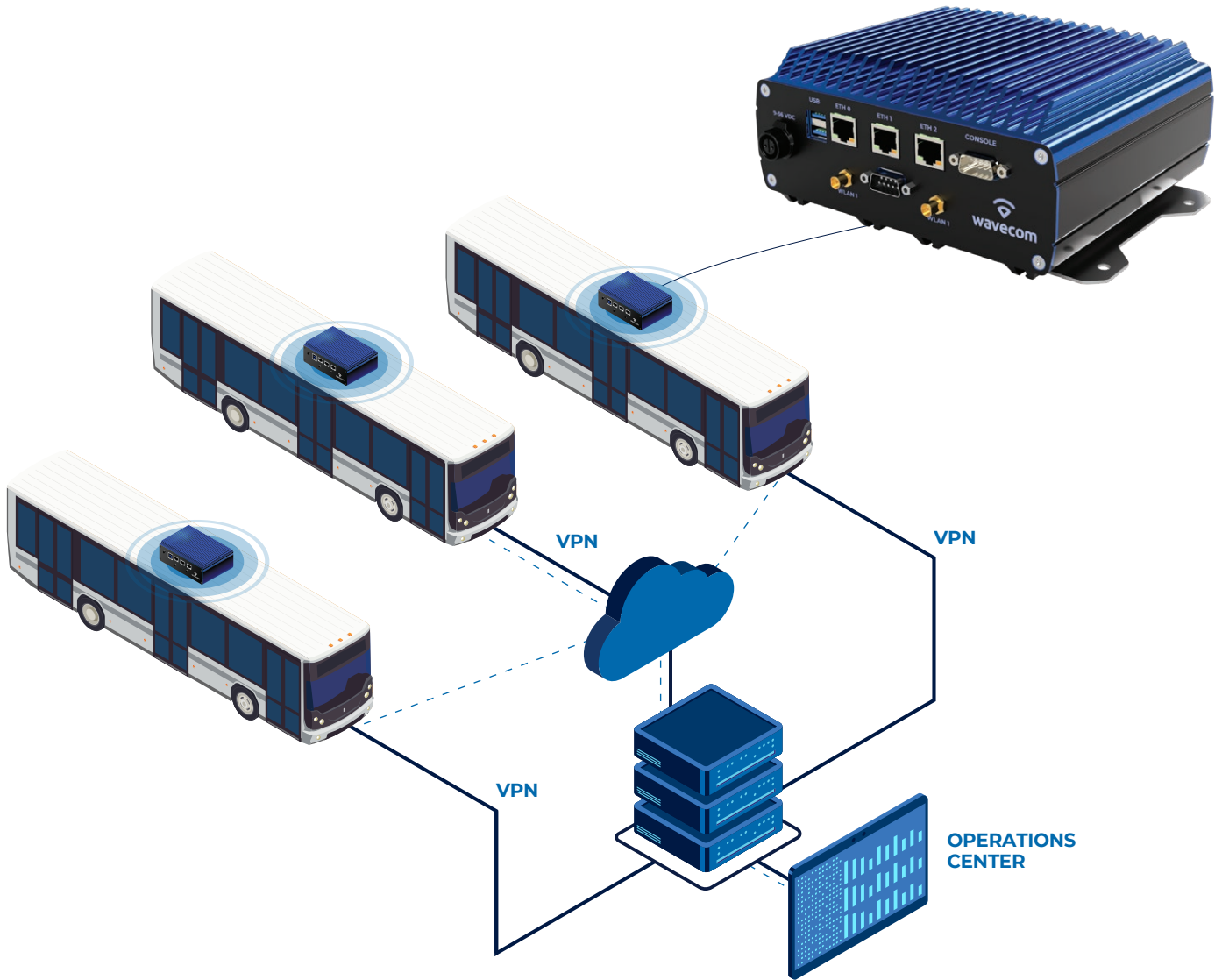
ONBOARD HARDWARE

5G

Our WaveOnRoad ONBOARD ROUTER

→ **Two WWAN interfaces:** up to two modems are included, and both can be 5G-compatible.

→ **Two WLAN interfaces:** two separate Wi-Fi Access Points are available (dual band, 802.11ac compatible).

→ **GNSS support:** GPS positioning is included, and is made available via the management platform, or exported via a dedicated standard API.

→ **Other Input/Output interfaces:** Multiple are available (Ethernet, Serial, USB).

→ **Networking:** extensive support of protocols and functions.

Our hardware is managed remotely and centrally-monitored via Wavecom's own IoT Management Platform.

The equipment is fully certified for an automotive environment and can be specified to ITxPT standards (M12-style connectors).

VPN

VPN

VPN

OPERATIONS
CENTER

COMMUNICATIONS
SYSTEM

CENTRAL MANAGEMENT PLATFORM

→ **Multi-tenant** cloud-based architecture ;

→ **Unique backoffice** interface for the multiple services (Fleet information, people counting, Wi-Fi Captive portal);

→ **Advanced Captive Portal** Management;

→ A single panel for **profiles configuration** (bandwidth limits, data traffic limits, time limits);

→ Security/privacy according with **GDPR standards**;

→ **Light Real-time** fleet functionalities;

→ Vehicle's position **history;**

→ **Route** association and **management;**

→ **API's for third party** integrations;

wavecom
Technologies

About Us

Wavecom has been in the field for 20 years with a solid know-how and expertise in wireless and IP-based systems and applications.

We understand about the integrators' challenges and our goal is to equip them with the indispensable technology, insights, advice and tools to help them to achieve their most pressing objectives.

With our capacity for innovation and knowledge of integrator's activity, we can improve people's quality of life through the products we manufacture.

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REDE PME
inovação