



## PRESS RELEASE

### IPmotion's next product drive starts at IT-Trans 2018 in Karlsruhe

- Brand-new and long-term available version 6 about to be released
- Enhanced product design features Quick Lock Standard (QLS)
- New rail version v6 in the established and space-saving v4 design
- Standardized, modular and customizable platform ensures future viability

**Heuchelheim, 11.01.2018** – IPmotion presents the latest version of its high end router series CAR-A-WAN at IT-Trans 2018 in Karlsruhe. The new version 6 is yet to be the most revolutionary leap in the system's evolution since it entered the market as early as in 2003.

Multiple requirements about secure and high-performing mobile connections in today's coach and railway sectors call for the supply of reliable 4G network systems. Furthermore, public transport operators wish for innovative entertainment options for travellers to uphold a preferably high customer satisfaction.

Given this background, IPmotion has decided to opt for a solution including the benefits of a system that supports all upcoming radio standards and nevertheless allows the implementation of nearly any individual request on the customers' part.

The new versions' CPUs will be provided by AMD (G-Series platform). Thus, production and support can be guaranteed until 2024. Another advantage concerning this new generation of core units will be the separation of main and auxiliary circuit boards hence adaptations to customer requirements will be easier than ever before.

#### **One System for numerous passengers:**

Starting with version 6, IPmotion supports public WiFi solutions for up to 250 users per device, i.e. CAT 6-LTE. With the extensive introduction of CAT 11-LTE this number will eventually increase up to 500 users per device. This capacity is achieved with the aid of IPmotion's patented multipath-multiprovider technology (patent no. DE102004045228B4).

Industrial storage media, e.g. SSD technology and such like, can be integrated if necessary. The basic version which is already equipped with one terabyte in storage space not even weighs one kilogram in the .coach-variant and is there with a featherweight in its class.

#### **Adjustability in both soft- and hardware:**

The new modular system design allows the provisioning of additional interfaces even at small-scale production, paving the way to a disentanglement from conventional legacy systems.

Special sensors as well as backwards compatible interfaces may be integrated in customers' projects. This simplifies migration and integration of existing systems towards leaner and more modern system designs.

### **Security and manageability in fleet operation:**

As of the introduction of version 6 of its CAR-A-WAN series IPmotion has a device at its disposal that combines both the advantages of an industrial router and traditional WiFi access points combined with a TPM crypto chip for the secure generation, utilisation and storing of VPN and system access certificates. The administration of large router fleets is being greatly simplified and besides standardized by means of the additional integration of CAPWAP.

### **Robust design and flexible connectivity:**

The new platform will be available for both the .coach and .rail versions of the CAR-A-WAN router series. Each version can be supplied with either one, two (version "Plus") or three (version "Trio") LTE modems. The new CAR-A-WAN.rail v6 continues the architecture of the CAR-A-WAN v4 series (solid aluminium housing). The .coach variant features an entirely new architecture, though still compatible with previous connectors and fastening elements alike. The new design is still based on solid aluminium for heavy temperature deviations may occur in the CAR-A-WAN's typical application area. All the aforementioned devices are available with either SMA, QLS or FAKRA connectors (built-to-order).

*Publication free of charge, specimen copy requested, Pictures and other press material can be found under [www.ipmotion.de/en/news/press-materials/](http://www.ipmotion.de/en/news/press-materials/)*

### **The IPmotion GmbH**

Founded in 1999, IPmotion resides in the Hessian town of Heuchelheim since 2009. The company is the world's leading provider of high availability mobile routers. The deployment of fast and secure internet connections in all classes of vehicles (automotive, maritime and railway) is the company's main objective.

### **IPmotion's CAR-A-WAN router technology**

The CAR-A-WAN router technology debuted in 2003 and has since been offering a stable and fast internet access point in commercial vehicles, trains, trams, buses and ships. Hardware and software have been continuously improved to fit customer needs and guarantee client satisfaction. The CAR-A-WAN router technology offers a multiple bandwidth in contrast to all other system solutions and can be enhanced with the installing of further applications and services.

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