# IP500 Alliance: redefining and standardizing wireless communication protocols



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## Profile:

The IP500® Alliance is an international industry initiative of leading manufacturers, users and operators.

The aim of the Alliance is to jointly define, develop and provide a wireless, manufacturer-neutral and secure communication IoT platform for LP WAN & PAN applications for smart industrial and commercial buildings.

The IP500 platform guarantees maximum interoperability and security for the interdisciplinary and interdepartmental interplay of different building automation products (sensors & actors) by using central, generally introduced and accepted industrial IEEE standards and local frequency regulations (ETSI, FCC, etc).

The IP500® standard is also the first and only solution that meets all regulations according to EN and VdS based on the True Dual-Band operation in Sub-GHz & 2.4 GHZ frequency bands, as well as asynchronous mesh network topology. It therefore ensures communication between devices and control in safety-relevant applications such as fire protection, alarms or access via a secure, wireless network with ultra-low power consumption of end nodes.

## USP

The IP500 IoT Wireless Standard is the most robust, scalable, secure and provides highest performance for commercial building and industrial applications. The IP500 IoT Wireless Standard is the only to be conform with the German security and safety guideline "VdS".

## Target:

System Integrators.

Municipalities.

Manufacturing Plants Owners.

Relevant Organisations.