Smart Living, Simply Exciting.

For Business Customers and Partners

homematic IP

Homematic IP
the smart home system by eQ-3

Homematic IP is our advanced and robust technology powering in millions of devices already today. The development of this product line has been focussed on the consumers' needs. It is suitable for home owners as well as for tenants. And most of all: it is simple – with no compromises in function or security.

Homematic IP devices can be easily installed, configured and operated. Even if the customer starts off with a small solution: Thanks to the open platform, the solution can be flexibly expanded at any time – even by products of other product families. This is why Homematic IP is the ideal entry into the world of Smart Home.

What makes Homematic IP so special

The Homematic IP system is an open platform that can be flexibly used and expanded by the customer. The communication of the devices is based on the Internet Protocol, IPv6, and is thus ideally equipped for the Internet of Things. In addition to its proven wireless product line, eQ-3 now also provides a wired smart home solution with Homematic IP Wired.

Maximum reliability

All Homematic IP devices are characterised by very high reliability. The wireless components work at a frequency of 868 MHz with constant bi-directional communication, ensuring confirmation of all radio commands. In Homematic IP Wired, the components are connected to each other by a bus line. This makes it possible to establish direct links between the devices. For most functions, the devices communicate directly with each other and commands must no longer necessarily converge at a central point. This makes the entire system particularly fail-safe.

Robustness and immunity to interference

During the development of each single Homematic IP component, the immunity to interference is especially important. The wireless devices undergo numerous tests, so that interference caused by WiFi networks, video streaming or other users can be excluded. The wired system is characterised by a so-called ring topology: The bus is always connected from the Homematic IP Wired Access Point to the next device and finally back to the Access Point. If the wire is interrupted at one point, the topology automatically changes to two independent bus lines. This makes sure that the device still continues to work.

Security and data protection at the highest level

During installation of the system, the communication of Homematic IP is secure and cannot be manipulated. At no time, entering of personal data is required. The system is completely anonymous, respects the privacy of the user and thereby ensures the protection of data. The transmission of information is encrypted and authenticated at all times. Reading, changing or other types of attacks are excluded.

Intuitive handling

Homematic IP has been designed for simplicity and usability. The wireless devices can easily be installed and operated via plug and play without technical knowledge. With a free smartphone app, the system can be operated intuitively. The Homematic IP Wired products are connected to each other via bus line. The Access Point is used for connection either to a smart home Central Control Unit in the house or the cloud service on the Internet.

Homematic IP at a glance

The Homematic IP product range is steadily growing. With its broad portfolio, the smart home system not only offers convenience in the everyday life, but also increases the security within your own four walls. Homematic IP can be expanded at any time – not only with products from the own range, but also with over 80 components of the origin Homematic system.

Climate control

Entering a warm bathroom in the morning – who wouldn't want that? The climate control devices of Homematic IP can be easily adjusted to personal preferences. This allows a high living comfort and energy cost savings of up to 30 percent at the same time. With the free app, individual heating profiles can be created for every single room. Afterwards, your heating will be controlled automatically and makes the everyday life easier.

Security & alarms

With Homematic IP security components, no burglar can enter unnoticed. In alarm mode, window and door contacts immediately inform about unusual activities. Motion and presence detectors reliably monitor the surroundings while sirens and smoke alarms trigger an alarm that cannot be ignored when detecting a burglar or fire. Just a quick glance at the own smartphone is all it takes for the house owner to see that everything is in the best order at home. In this way, owners can feel safe even when being away from home.

Light & shade

The right lighting makes the own house a cozy home. With Homematic IP, lights can be switched and dimmed easily and quickly from the sofa. In a few single steps the right mood for an evening in front of the TV is created. Devices for shutter and awning control create privacy and increase the security at the same time. Control via the app makes it possible to create individual heating profiles.

Weather & environment

The weather sensors are the latest highlight from the Homematic IP product range. With the weather sensors, the system is automatically adjusted to the current weather condition. The sensors measure external influences such as temperature, wind strength or rain, the system captures these data and evaluates them. In connection with other Homematic IP devices, the sensors trigger the automated moving of awnings or shutters, depending on the current weather. This actively protects the house from environmental influences.

The Homematic IP products can be easily and conveniently controlled via Google Assistant or Amazon Alexa. Operation of the smart home is even more intuitive by voice commands.

Benefits for Homematic IP Partners

eQ-3 continues to focus on on cooperating with partners. Without direct distribution to end customers, partners are especially important for the marketing of Homematic IP.

Marketing by Our Partners

▶ eQ-3 does not sell directly to end customers. Therefore, there is no competition with our partners at any point

▶ Retailers and online distributors are directly supplied from our own ELV/eQ-3 group logistics centre in Leer, Germany

▶ The eQ-3 field sales team is supporting local distributors and installation businesses at their premises

Benefits for System Partners

System partners offer hardware and software, on-line-services and other services that complement Homematic IP in whole home solutions.

▶ The full range of Homematic IP products and developing tools are available for our system partners

▶ System partners can use the CCU2/CCU3 Central Control Unit software for free with the OCCU SDK

▶ eQ-3 actively supports system partners in marketing, support and development

▶ eQ-3 supports system partners in accessing all sales channels of Homematic IP

Support is a Priority with Us

▶ To support its partners, eQ-3 has established strong programs that are constantly expanded.

▶ Additional benefits while starting as a partner reduce the required investment

▶ Qualified technical support is available at the headquarters in Leer, Germany. And thanks to the close proximity to the R&D department of eQ-3 it is available at every required depth of technical know-how.
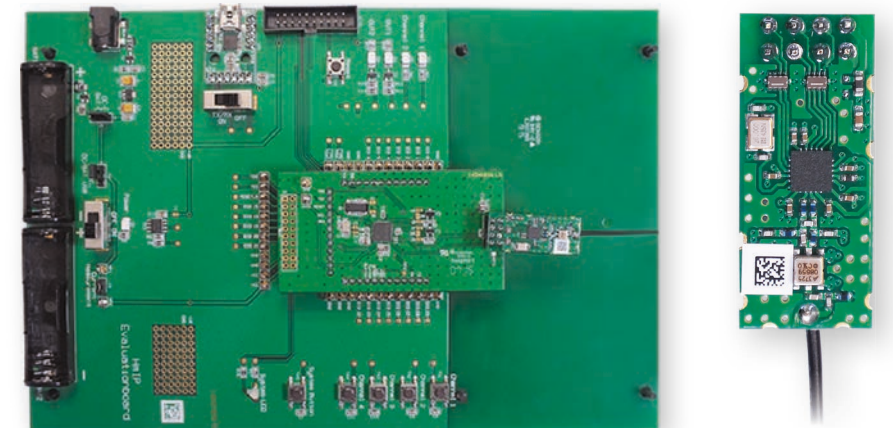
Benefits of cooperating in OEM-Business

eQ-3 AG is the European market leader[*] in home automation with millions of devices in the market, e.g. as OEM supplier for four of the five largest utility companies in Germany. This know-how forms the basis of Homematic IP and is available via developer kits, modules and licenses for software and device developers as well as OEMs.

Homematic IP is open for other manufactures and offers:

▶ Java-based software infrastructure with object-oriented interface for the cloud and Central Control Unit

▶ Software for operation of applications in the cloud or on gateways and Central Control Units locally from home

▶ The entire software of the Central Control Unit CCU2/CCU3 by eQ-3 as OCCU Software Development Kit on GitHub – with a license that permits any changes and extensions of hardware made by eQ-3 or third parties in private and commercial applications

▶ Cost-effective modules for which the certification to EN 300 220 (required for R&TTE) has been successfully completed

▶ Software stacks for quick and low-risk device development

▶ A comprehensive set of tools for the development and quality control, enabling automated testing

▶ Attractive models for technology licensing

[*]Smart homes and home automation study, September 2019, of the renowned market research company Berg Insight concerning so-called "whole home" systems.
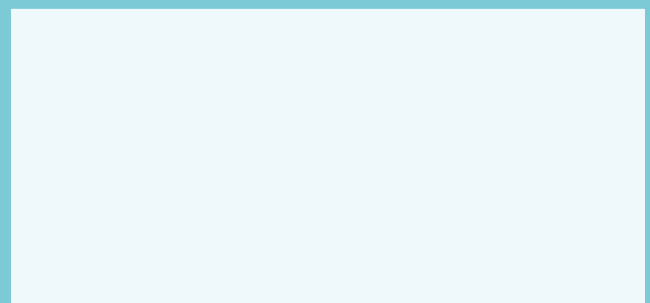
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