mediola®

IOT & SMART HOME SOLUTIONS

SMART HOME GATEWAYS

ALL-IN-ONE APP

CLOUD CONNECT

THE NEW WORLD OF CONNECTED LIVING

Over the last years Smart Home has become an extremely dynamic and sustainable global hype, largely driven by smart devices and services such as Digital Voice Assistants from Amazon, Google or Apple. Thus, the demand for and use of smart devices in living environments increases rapidly.

Unfortunately, most of smart systems are isolated solutions, which are supporting a specific brand. However, customers who have recognized the benefits and convenience of smart homes and have decided to smartly retrofit their homes, typically have a heterogeneous device infrastructure with a product-mix of different brands. Consequently, the key customer requirement is cross brand interoperability.

This particularly affects the entire installed base of elementary building technology such as lighting, shading and heating, which usually consists of durable high-quality products that are costly installed. Millions of such already installed devices like roller shutters, shades, garage doors and climate control of many popular brands are included to this kind of significant investment products, for which customers want to avoid replacement but want to connect with smart environments. The problem therewith is, that vendors each use their own proprietary and mutually incompatible wireless protocols to control the devices.

As a result, it is neither possible to combine different brands nor to connect the installed appliances with the new, trendy smart home gadgets. But that is exactly what defines the idea of smart home and what customers expect more than anything else from it.

As a conclusion Smart Home is only efficient and comfortable if existing, already installed building technology can be easily and cost-effectively connected, automated and centrally controlled.

To meet this rapidly growing demand, mediola® offers a unique product range for customers as well as for manufacturers of building technology and specialist service providers and installers.

IoT & SMART HOME

mediola® has developed a comprehensive and modular smart home solution consisting of software, apps, gateways and cloud which transform almost any device into a smart home / IoT-capable device which can be connected to the cloud and seamlessly controlled with a single all-in-one app.

With mediola® you can control and automate the entire home technology across brands using your smartphones, tablets, PCs - or even hands-free by using your voice.

To set up a Smart Home has never been easier.

MULTI-BRAND-SUPPORT

USP of mediola®: Its open and flexible platform. Because mediola® is entirely modular, scalable and embraces a wide range of technologies, standards and products from various vendors to a seamless solution, everybody can easily create his customized "All-in-One" control App regardless of the underlying technology.

ONE APP CONTROLS EVERYTHING

mediola® combines different brands and standards at the operation level by using its innovative interface technologies. So all your devices can be fully automated and controlled remotely with a user experience as if it were a single homogenous system.

SMART AUTOMATION

mediola® turns your home really smart. Just create automation programs over all integrated devices easily to let the system ease your life by executing some of your daily routines. You will be amazed about the convenience of a smart home, which acts itself.

INDEPENDENT & FUTURE-PROOF

mediola® customers are free to choose the brands they trust. Our extremely flexible solutions are also future-proof, because new technology standards and brands will be integrated to our open platform continuously.

IOT & SMART HOME HUBS
AIO GATEWAYS

The mediola® AIO GATEWAY series is our universal Smart Home Hub product line. Our multifunctional gateways allow to connect many incompatible wireless protocols of different vendors and competing brands with new wireless standards and let them work together seamlessly.

As high-performance IoT connectors, our gateways allow to control all wireless and infrared devices via app or voice command. By using gateway and app, incompatible devices can be connected with each other to make homes smarter than ever. So all your lights, shades, air conditioner, heater, audio-video-devices, surveillance-cams, sensors and many more can be fully automated and controlled remotely from anywhere in the world.
All AIO GATEWAYs can be used without cloud connection in your local network (for example for security-critical requirements). The user is free to decide wether he uses a cloud connection or not.

The AIO GATEWAY series is equipped with a powerful multi-protocol firmware to support proprietary technology of many brands such as Somfy, Hautau, Elero, Warema, Becker, Roto, Rehau, Internorm and many others* as well as modern wireless standards/ defacto-standards such as Homematic IP, EnOcean, Z-Wave, ZigBee and wired systems such as KNX.

Currently there is no other smart home gateway on the market, that supports so many different proprietary protocols from different european brands in one single device and connects them to the IP world in such a unique all-in-one smart home system.

*For a detailed overview of all supported brands: **www.mediola.com/checkliste**

90 mm 90 mm 20 mm 110 mm 32 mm

Mini
V6 min / V6 mini E

Processor: 160 MHz Dual-Core, 520 KB SRAM **Co-Processor:** 84 MHz ARM® Cortex® - M4, 512 KB Flash, 96 KB SRAM **Operating System**: Embedded mediola OS
WiFi IEEE 802.11 b/g/n 2,4 GHz
Multi Vendor Infrared Support
1 connector for external IR-transmitters
Embedded Multi-Protocol Transceiver 868 MHz
Mono Sensortrigger 868 MHz (HM-IP or proprietary RF)
EnOcean model (V6 mini E)
Embedded EnOcean Transceiver for RF sensors/ actuators

Standard
V6 / V6 E

Processor: 160 MHz Dual-Core, 520 KB SRAM **Co-Processor:** 84 MHz ARM® Cortex® - M4, 512 KB Flash, 96 KB SRAM **Operating System**: Embedded mediola OS
WiFi IEEE 802.11 b/g/n 2,4 GHz
Multi Vendor Infrared Support
2 connectors for external IR Transmitters
Embedded Multi-Protocol Transceiver 433 MHz
Embedded Multi-Protocol Transceiver 868 MHz
Mono Sensortrigger 868 MHz (HM-IP or proprietary RF)
EnOcean model (V6 E)
Embedded EnOcean Transceiver for RF sensors/ actuators

Pro
V6 Plus

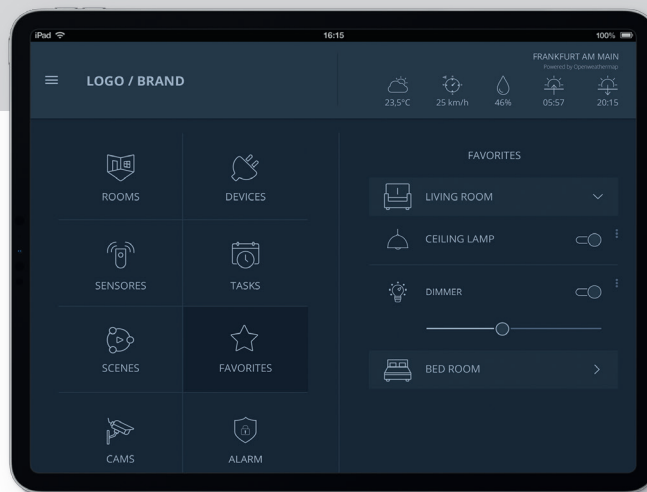| |
|---|
| **Processor:** 1,2 GHz Quad-Core ARM®, 1 GB RAM
Co-Processor: 84 MHz ARM® Cortex® - M4, 512 KB Flash, 96 KB SRAM
Operating System: Embedded Linux |
| LAN 10/100 / RJ45 | WiFi optional via USB-Stick |
| Multi Vendor Infrared Support |
| 1 connector for external IR Transmitters |
| Embedded Multi-Protocol Transceiver 433 MHz |
| Embedded Multi-Protocol Transceiver 868 MHz |
| Embedded EnOcean Transceiver for RF sensors/ actuators |
| Dual Sensortrigger 868 MHz (EnOcean & HM-IP **or** proprietary RF) |
| 2 USB Connectors |
| 24/7 server functionality for cross platform automations (NEO Server) |
| **Optional extension: Z-Wave / WLAN** |
| USB-Stick Z-Wave Transceiver for RF sensors/ actuators / Wifi via USB-Stick |

ALL-IN-ONE SMART HOME APPS
IQONTROL NEO

IQONTROL NEO is our free Smart Home app to control all AIO GATEWAYs of the new generation (V5 PLUS and V6 series).
The app is our cost-effective but multi-featured entry solution to transform any home into a Smart Home worry-free and simple.

It has a self-generating user interface which is extremely intuitive and easy to use and offers all essential smart home functions (i.e. smart automation).
The app has been designed especially to be used even by beginners and customers with little technical skills.

With IQONTROL NEO new wireless standards such as Homematic-IP, EnOcean, Z-Wave, ZigBee can be brought together with many proprietary protocols and trendy IP and cloud-based devices.

GATEWAY CONTROL UNIT
Intuitive setup to connect all devices to the AIO GATEWAYS directly via app.

SELF-GENERATING UI
App generates the user interface automatically in a modern and intuitive structure according to devices, rooms and favourites.

TASK MANAGER
User friendly generation of automations including triggers (sensors, device states, time), multi-level conditions (if / then) and messaging.

CLOUD SERVICES
Supports cloud services such as voice control via Amazon Alexa and Google Assistant.

ALL-IN-ONE SMART HOME APPS
AIO CREATOR NEO

For those who want to go beyond the possibilities of IQONTROL NEO we offer our professional solution AIO CREATOR NEO. AIO CREATOR NEO allows to integrate even more systems and brands into your smart home system. Due to its modular architecture with optional NEO plugins, users can expand their systems along their needs and budgets step by step. Via plugins a large number of 3rd party smart home hubs (i.e. Homematic CCU, Philips Hue Bridge, Fibaro Homecenter,...) including all connected devices can be added to the system.

The software contains a powerful and versatile App Designer. With this unique tool anybody can design his customized App with individual graphics and lots of amazing functions easily. With mediola® AIO CREATOR NEO only your ideas are the limit.

Our cross-platform Automation Manager turns any home really „intelligent". Just create even complex automation programs with the intuitive block editor in a simple way. Combine all integrated systems for triggers, conditions and actions to let the system ease your life by executing some of your daily routines.

APP DESIGNER

Feel free to create your completely customized App by yourself. Simply compose your personal app user interface along your functional needs in your individual Look & Feel.

ICON-SETS

Use our optional Icon-Sets, to create new stylish designs for your app impressively easy.

PLUGINS

Combine devices of many different technologies and brands seamlessly. Our modular software architecture with a large number of optional plugins allows to generate a personal brand and devices mix.

CLOUD SERVICES

Fascinating cloud services such as Voice control via Amazon Alexa and Google Assistant.

mediola® CLOUD SERVICES
CONNECTING DEVICES & SERVICES

Via mediola® Cloud all user accounts and licenses of all mediola® IoT and Smart Home applications are managed.

In addition, mediola provides a fee-based Cloud Service, that allows to connect with other cloud platforms and trendy cloud-based devices such as Philips Hue, Somfy, Ring, Nuki and Netatmo and integrate them into your smart home system.

By using mediola Cloud Services also powerful voice assistant services such as Amazon Alexa, Google Assistant or automation platforms like IFTTT or Conrad Connect can be integrated.
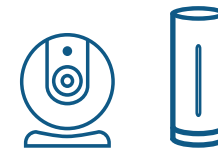
Cloud Services

Just turn words into actions and control your smart home with your voice. Our mediola Cloud Services allow to use the fascinating voice assistant sytems like Amazon Alexa or Google Assistant. In addition, you can use IFTTT or Conrad Connect to create geo-based triggering features or connect to Google Calendar.

Remote Access

The Remote Access is included in our CLOUD SERVICES and allows to monitor and control your home or office even when you are away. With CLOUD SERVICES you do not need the expert know-how to set up a VPN. The activation of remote access is very simple and secure.

Cloud Devices

An increasing number of new trendsetting devices such as IP Cameras and door communication systems are cloud-based. Via mediola® Cloud Services you can connect a wide range of cloud devices and let them work together with all AIO GATEWAY-connected devices.

CLOUD SERVICES

We connect your products with **trendsetting cloud systems**

B2B SOLUTIONS
SMART SOLUTIONS FOR YOUR PRODUCTS

To make our B2B customers' devices fit for IoT and cloud-based applications (e.g. remote access, Industry 4.0), we offer a complete product range including IP connectors (Gateways), cloud connection and control app.

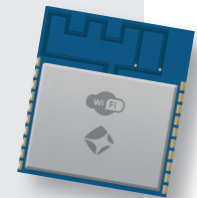**With mediola technology it is quick, simple and cost-effective to turn any device smart.**

B2B customers can connect their radio-controlled devices to the smart IP world very easy by using our universal IoT & Smart Home Gateways as an IoT interface. The AIO GATEWAYs support a wide range of proprietary protocols of market leading brands on the 433/868 MHz frequency bands. Additionally they provide support for standards/ defacto-standards like EnOcean, Z-Wave, ZigBee and Homematic IP as well as bus-based systems such as KNX.

Because we are developer of AIO GATEWAY and firmware, it is possible to integrate new proprietary protocols for our B2B customers and create an individual firmware. If B2B devices neither have IP nor wireless support but are equipped with a serial port, we provide a special IoT module to turn these devices smart.

Our AIO GATEWAY product line contains models with different performance levels. Additionally we can realize customized white label versions.

To retrofit products that are not equipped for IP communication, we offer our IoT module. It provides the flexibility to implement your specific features in an individual firmware and serves as a communication interface to enable interoperability with other smart devices and services.
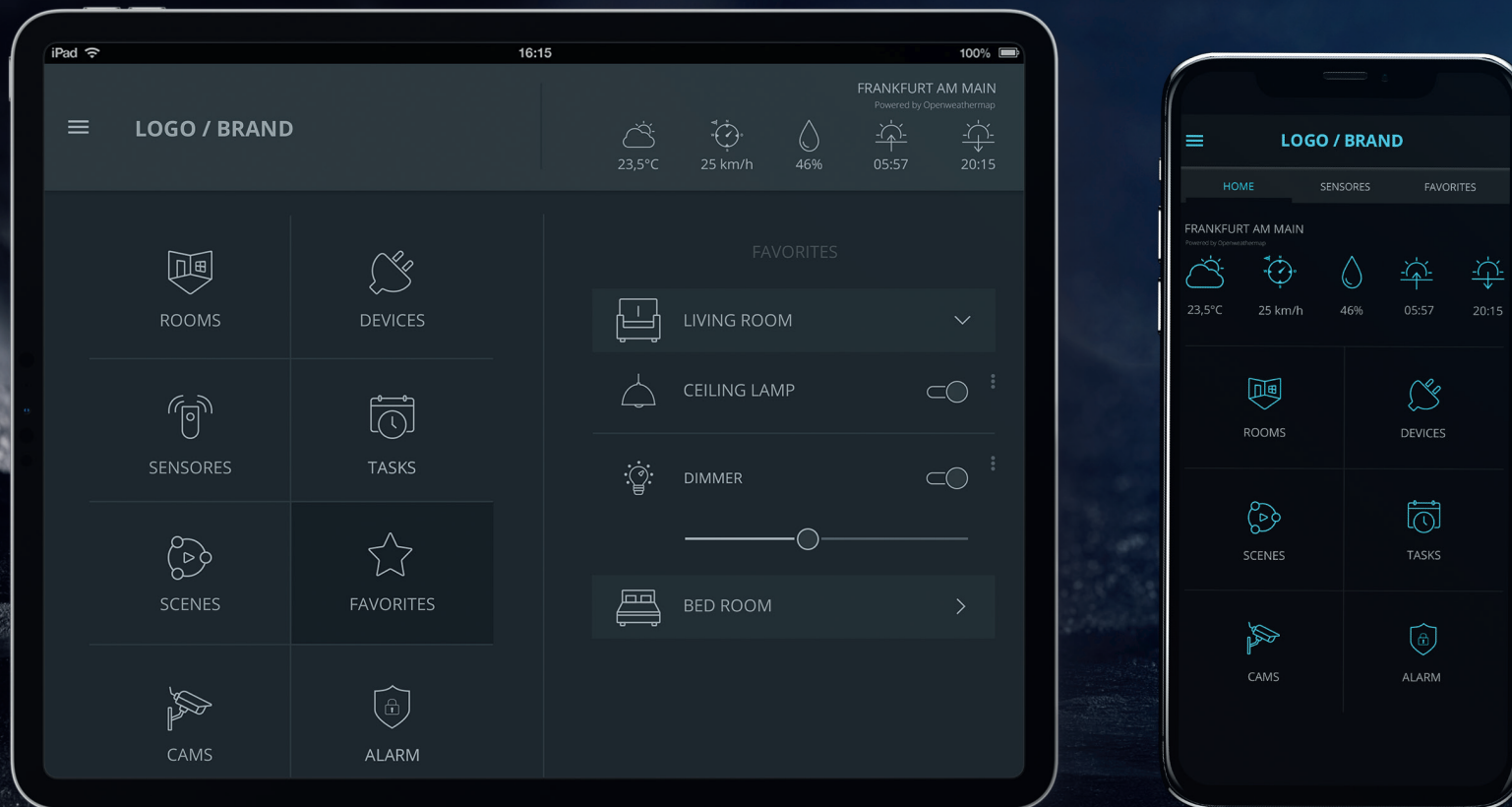
Get your own app or plugin to increase your brand awareness in the smart home market!

Based on the IQONTROL NEO framework we develop a white label app for your brand.

You are free to choose the functional range as well as the design. From a quick and very cost-effective version, in which we adjust the IQONTROL NEO app to your corporate design and you select the devices support, up to a completely customized app, nearly anything is possible.

Alternatively or additionally, we offer the development of your own AIO CREATOR NEO plugin to support your devices in the AIO CREATOR NEO eco-system.

WORKS WITH mediola®

Rehau myStrom Warema Esco Kaiser-Nienhaus Samsung

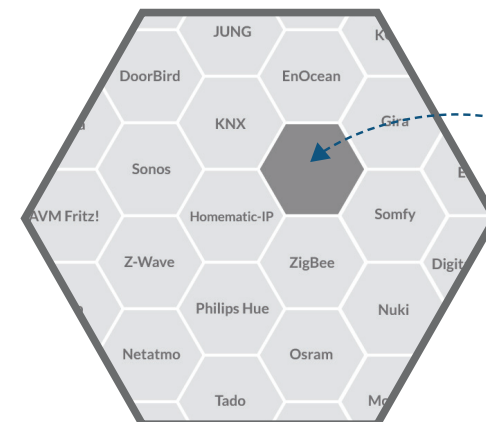Becker Antriebe Winkhaus Möhlenhoff Siral HAUTAU Homematic IP

Jäger-Direkt OPUS Instar Eltako NUKI EiMSIG Barthelme MACO

Gealan Osram WIR Elektronik Edimax Roto Somfy Elero

Siegenia Omnio

If you are a vendor of IP and/ or radio-controlled products and your goal is to increase their compatibility to devices and systems from other brands, then our works with mediola program (wwm) offers is an ideal entry-level solution to position your products in an attractive smart home environment.

With wwm, your products become part of one of the most comprehensive IoT & Smart Home systems. This way your brand will be visible to the large mediola target group with a high technology affinity. As a wwm partner, you have the choice of whether your products should be part of IQONTROL NEO and / or AIO CREATOR NEO.

JUNG K...
DoorBird EnOcean
KNX Gira
Sonos Homematic-IP Somfy
AVM Fritz! Z-Wave ZigBee Digit...
Philips Hue Nuki
Netatmo Osram
Tado Mo...

Your Brand
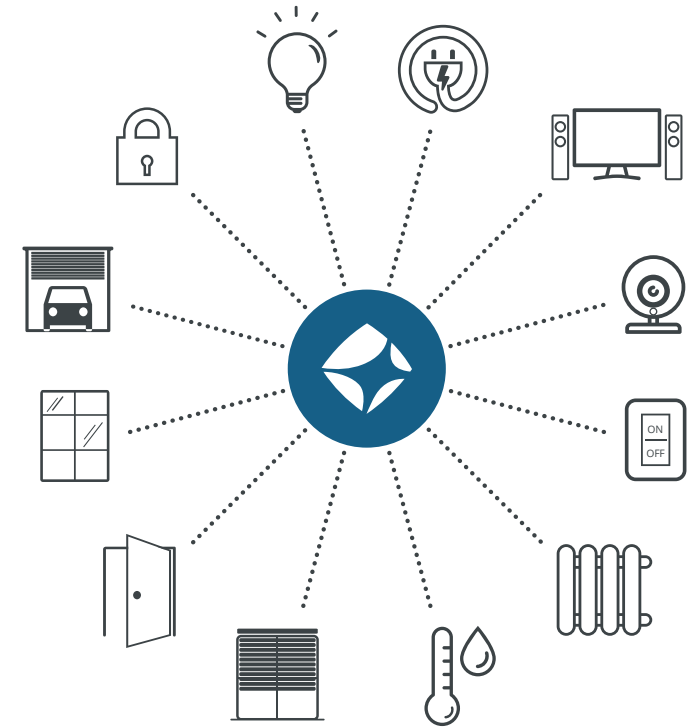
Your products are connected with many popular brands.

mediola® – connected living AG

mediola® is a Frankfurt/ Main-based and europe-leading company for IoT & Smarthome solutions and a specialist in developing software, apps and hardware interfaces to let a wide range of normally incompatible devices work together in a seamless Smart Home System.

Therefor the unique mediola® products allow to connect nearly all devices within living or office environments across technology standards and brands and control and automate them centrally. mediola® is revolutionizing connected living by combining the popular proprietary technology of many building equipment vendors with modern wireless standards/ defacto-standards such as EnOcean, Homematic IP, Z-Wave, ZigBee as well as trendy IP and cloud-based devices and services in one holistic solution. This is future-proof, saves money and enables customers to choose the brands they trust and mix them together individually.

To control, monitor and automate their homes, mediola® customers can choose between the multi-featured, yet easy-to-use IQONTROL NEO app or the even more powerful AIO CREATOR NEO software, which additionally supports the integration of many other smart home systems and hubs. For both solutions, mediola® offers the optional product CLOUD SERVICES, which can be used to connect with third-party cloud platforms such as Amazon Alexa and Google Assistant.

mediola® was founded in 2007 and is majority owned by tecnovum AG, Frankfurt am Main.

mediola®

connected living AG

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