



- Connects multiple wireless standards
- Open platform and framework
- Excellent radio-characteristics
- High range and data rate
- High reliability



Get your SDK now.

HWC Open Wireless Platform

The HWC Open Wireless Platform is a gateway and server facilitating the integration of monitoring & control solutions across multiple wireless standards.

Its ability to handle a wide range of interfaces makes it ideal for diverse fields of application, such as building & industry automation, energy management and medical & care solutions.

Advantages at a Glance

Open Platform

The Mono/.net 4.0 based system environment enables developers to externally develop their own monitoring and control plug-ins and install them onto the HWC.

Impressive Connectivity

All important wireless standards are covered. The installed plug-ins can be accessed from any custom device connected to the Internet. Also cloud solutions are possible.

Facilitated Integration

Integrators can rely on a number of device profiles facilitating the inclusion of existing peripheral devices, such as sensors, actors and switches, or program their own profiles for newly developed devices.

Multiple Interfaces



KNX-RF

The dominant standard in building automation.



Wireless M-Bus

The standard for smart metering applications.



WLAN

The dominant standard for wireless networks.



Bluetooth

The robust wireless standard for critical applications.



USB

Connection of peripherals, such as GSM modems or webcams.



Ethernet

Connection to Local Area Networks and the Internet.

Fields of Application



Building Automation



Industrial Automation



Energy Management



Medical & Care



HWC Configuration

The HWC's internal webpage enables the comfortable management of the interfaces and user roles as well as the installation of plug-ins.



Technical Data

WLAN standards	IEEE 802.11b, g (Access Point, Slave, Ad-hoc)
Bluetooth	Bluetooth 2.1, 3.0, Class 2+ Optional: Long Range EDR Bluetooth 2.1, 500 m
Wireless M-Bus	868 MHz R/S/T mode, 500 m
KNX-RF	868 MHz
Ethernet	IEEE 802.3 10/100 MBit/s full-/half-duplex
USB	USB 2.0 (5 V - 500 mA)
Firmware update	Firmware update via web browser
Operating system, framework	Linux, Mono/.net 4.0 based plug-in framework
Memory	64 MB RAM, 256 MB Flash Memory
Power supply	4 Pin Power Connector, 5 VDC - 24 VDC
Operating temperature	-10 °C to + 55 °C, -40 °C to + 85 °C (enhanced)
Storage temperature	-40 °C to + 105 °C
Protection class	IP30
Security / encryption	WPA (TKIP, AES), WPA2 (CCMP, AES), HTTPS (certificate, name + password), wireless M-Bus encryption (AES)
Certificates	CE, R&TTE
Housing (L x B x H)	134 x 81 x 17.5 mm

Scope of Delivery

- HWC – Open Wireless Platform
- Software Development Kit (SDK)
- Power supply 220 V
- Quick start guide

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