

# Nokia Home Control Center

## Unique Selling Points

- Ubiquitous connectivity between the mobile device and home network
- Common interface for home appliances and systems
- Fully featured and extendable gateway

### **Ubiquitous connectivity between the mobile device and home network**

- Local connectivity from Nokia Home Control Center to mobile phone or PC using 11n WLAN
- Remote access directly using internet connection (VPN for mobile, browser for PC)
- NAT and firewall pass-thru using relay servers

### **Common interface for all home appliances and systems**

- Programming framework with open APIs
- Technology agnosticity enabling abstraction layers
- Integrated Z-wave, security, or vendor-specific radio
- More connectivity technologies can be added using USB

### **Fully featured and extendable gateway**

- 11n WLAN with 2 antennas
- Integrated antennas for WLAN, GSM/GPRS, Z-Wave
- 4 USB 2.0 host connectors for extensions
- 533 Mhz CPU, 256 MB RAM, 6 GB internal storage
- SD card reader with SDHC support for affordable storage extension
- 1 Gbps Ethernet connectors for 4 LAN and 1 WAN ports

## Benefits for the End Users

### Home control functionality

- Home control logic for simple automatic responses to events such as motion sensor triggering, luminance levels, moisture or temperature limits
- Grouping of devices for easy control according to e.g. location, function, type
- Profile support for easy setups for common situations, such as home, away, day, night
- Linking of different systems, such as security systems, lighting, heating, and internet resources

### Linux server functionalities

- Standard OpenWRT Linux distribution with 2.6 series kernel
- Possibility to use Linux from command line to build fully featured Linux server enabling e.g.
  - Web server
  - File sharing
  - Media server
  - Email server
- Ability to use the mobile VPN of remote access also for Linux applications
- Possibility to benefit from vast selection of open source applications available for the Linux platform

### Accessories

- SD cards to extend the internal storage capacity
- Kits and sensors from our partners to enable new functions

## Benefits for smart home business partners

### Value for Money

- Development fast and effective using SDK and programming framework designed to support various control nodes, such as mobile phones, PCs, and tablets

- Ability to switch underlying connectivity technologies in solutions and re-use application level code – no technology path dependency for home connectivity
- Software repository for easy updates and upgrades as well as sales channel for new features & applications

### Secure

- Zero-configuration security between mobile phone and Nokia Home Control Center
- Automatic VPN when using Internet

## Benefits for the Channel

### Customization

- Possibility for dual branding for high-volume customers
- Possibility to protect partner or channel IPR using TPM

### Possibility for a range of roles

- Nokia can offer full product support, including back-end, customer care, and distribution as services
- Channel has the possibility to choose among the Nokia – provided services
- Nokia and partners offer ready packaged bundles for simple distribution as well as full range of individual components for specialized retailers and internet stores

## Technical Data

### DIMENSIONS

- Weight: ~500 g
- Length: 350 mm
- Width: 150 mm
- Thickness: 35 mm

### KEY FEATURES

#### Hardware characteristics

- Router box
- Wlan 11n with 2 antennas, support 300 Mbps transfer rate
- Customizable with fabric covers
- 256 MB DDR2 memory
- 6 GB internal storage and SD card reader for extension
- Integrated Zwave or security radio module
- Optional integrated GPRS module

#### Connectivity

- 4\* USB 2.0 host full-speed
- 4\* 1 Gbps Ethernet for LAN
- 1 Gbps Ethernet for WAN
- 300 Mbps WLAN 11n
- Z-wave or security radio for peripheral network
- Optional GSM/GRPS module

#### UI features

- Native client for Series 60 Platform 3.1 Edition
  - Plug-and-play installation of application
  - Zero configuration of WLAN
  - Zero configuration of remote access VPN tunnel
  - Graphical easy-to-use interface for controlling home appliances
- Browser interface for browser-enabled devices
  - SSL protection
  - End-to-end tunnel from browser to HCC
  - Username and password –based authentication
  - Graphical easy-to-use interface for controlling home appliances
- Remote access relay for NAT traversal and firewall pass-thru