# RFP 43 WLAN

## SIP-DECT and WLAN-n Access Point in one RFP

*RFP 43 WLAN*

*Connections of RFP 43 WLAN*

RFP 43 WLAN connects two mobility standards: DECT, which enables the use of mobile system phones, and an integrated WLAN Access Point, which provides flexible access of PCs or other workstations to the company's network.

## Highlights of the RFP 43 WLAN

RFP 43 WLAN offers – due to integrated IEEE 802.11n compatible WLAN Access Point – significant advantages compared to a separate infrastructure for DECT and WLAN:

- *Only one access point for both technologies (DECT and WLAN)*
- *Only one switch-port is required (PoE recommended)*
- *Integrated, centralized management and set up for DECT and WLAN*
- *Net View Management:*
  - *RFP 43 WLAN Access Points can be grouped in clusters*
  - *The WLAN-properties within one cluster can be managed for all access points simultaneously*
- *It is not required to administer the access points individually*

### ADDITIONALLY RFP 43 WLAN PERMITS

- *easy installation due to preinstalled software*
- *simultaneous use as OpenMobilityManager (OMM) in the network*

## Features

### DECT

- *All 120 DECT channels supported for maximum use of the DECT capacity*
- *8 simultaneous voice channels per RFP, 4 additional channels for handover*
- *Synchronisation of the RFPs via DECT radio interface*
- *GAP standard supported (incl. connection handover)*
- *DSAA authentication between base and handset*
- *Support of DECT encryption*
- *Antenna diversity*
- *DECT XQ to guarantee good speech quality in reflecting environments*
- *DECT security*

### VOIP

- *VoIP connection using RTP/RTCP protocol*
- *G.711 / G.722 / G.729AB1 codec depending on required voice quality and available bandwidth*
- *Quality of service supported by Diffserv / ToS Flag*
- *Adaptive jitter compensation*
- *Echo cancellation / suppression*
- *Voice activity detection and comfort noise generator*
- *Secure VoIP SRTP/TLS*

### ETHERNET

- *BaseT connection via Ethernet 10 / 100 / 1000 Mbit*
- *Optional SNMPv1/v2c, MIB II, read only, support of traps*
- *Support of VLANs (virtual LANs)*

### WLAN ACCESS POINT

- *Support of:*

– *IEEE 802.11n (2.4 or 5 GHz, MIMO 2T/2R)*

– *IEEE 802.11a*

– *IEEE 802.11b/g*

- *Adjustable transmission power level for easy network planning*
- *Central service interface for all WLAN Access Points*
- *802.11d Multiple Regulatory Domains, enabling country specific WLAN channel selection*
- *Wireless Multimedia Extensions (WME) for quality of service*

## Security Features

- *Wired Equivalent Privacy (WEP), set able for 64-, 128- and 256-bit encryption*
- *WPA1 (Wi-Fi Protected Access) encryption*
- *WPA2 with asymmetric encryption*
- *Authentication of stations with RADIUS 802.1x server*
- *White list for allowed WLAN stations for up to 64 MAC address entries*
- *64-entry associated stations list*
- *Hidden Service Set Identifier (SSID)*
- *Multiple BSSID (Basic Service Set Identifier) enables four parallel WLAN networks within one access point infrastructure*

## Service and Installation

- *4 LEDs signalling the current state of operation*
- *Central configuration*
- *Central system journal*
- *Central cluster administration*
- *Wiring alternatively from below (cable duct) or from above (suspended ceiling)*

## Technical Data

- *Internal antennas for DECT, 2.4 GHz WLAN and 5 GHz WLAN*
- *Power supply:*

  – *Power over Ethernet IEEE 802.3af, class 3 or*

  – *100-240 V AC-adapter*
- *USB 2.0 host port for future extensions*
- *Ambient temperature: -5°C to +45°C*
- *Relative humidity: 0 % to 95% (noncondensing)*
- *Storage temperature: -40°C to +70°C*
- *Type of ingress protection: IP 20*
- *Flame resistance UL94 V0-5VB*
- *Wall-mountable*
- *Colour: ice grey*
- *Weight: 467 g (without AC adapter)*
- *Dimensions (W x H x D): 195 x 200 x 30 mm*

## PART NUMBERS

| | |
|---|---|
| RFP 43 WLAN | 68636 |
| AC adapter for EMEA, UK, Australia | 87-00002AAA-A |

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