



IP DECT Multi-Cell Solution

Base Part Number: mi-MCB0158

Handset Part Number: mi-MCT385



IP DECT multi-cell solution

- Up to 254 bases and 1000 handsets
- Seamless handover
- IP DECT Solution for small and medium enterprise
- IP65 compliant handset for healthcare market
- Cost effective and scalable solution
- SIP compliant, 10 audio channels using G.726/G711 codec
- Mix between traditional DECT and CAT-iq wideband audio
- Over the air synchronisation
- Power over Ethernet provides a simple installation

Handset Features

- HD audio support (G.722)
- 2" TFT display, 176 x 220
- IP65 compliant
- Ruggedized design
- Dedicated Panic Button on handset top
- Man-down support
- Ambient noise reduction
- Optional bluetooth for headset

System Features

- DECT GAP / CAT-iq
- Wideband audio (HDSP) basic and extended
- 12 slot radio with up to 10 voice channels active
 - 10 audio channels using G.726 / G711 codec
 - 5 CAT-iq wideband audio channels using G.722
- Scalable system from 1 to 254 bases in same network
- 1000 subscriptions (max 1000 handsets)
- Power over Ethernet
- Over the air synchronisation
- Support software download to wireless terminals
- LED status indication
- LDAP and/or XML phonebook support
- Seamless handover
- Auto/Remote provisioning

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SIP (Session Initiation Protocol)

- SIPS
- RFC2833 In-Band DTMF/Out of band DTMF support
- RFC2976 The SIP INFO method
- RFC3261 compliance
- Digest/basic authentication
- RFC3263, DNS SRV redundant server support
- RFC3264 Offer/answer
- RFC3326 The Reason Header Field for SIP

DECT

- Frequency band: 1880 MHz (DECT) - 1920 – 1930 MHz (5 carriers) US
- Four power levels (14, 17, 20 and 24 dBm)
- Seamless handover using connection handover
- Wideband voice (HDSP) Basic
- Interoperability, Phase I (CAT-iq 1.0)
- Authentication / encryption of base and handset

AUDIO

- 10 audio channels using G.726 / G711 codec
- 5 CAT-iq wideband audio channels using G.722
- RFC3711 SRTP

ANTENNAS

- Internal omni-directional antennas
- Range: Indoor: 50 m
- Range: Outdoor: 300 m

SYSTEM

- 1000 SIP registrations (max 1000 handsets)
- 254 bases can be connected into one IP PBX system

NETWORK

- TFTP, HTTP, HTTPS for remote configuration and firmware download
- VLAN
- DHCP options 66 and custom
- Embedded web server for easy configuration
- IPv6

POWER SUPPLY (PSE)

- Power over Ethernet (PoE): 44-57V - IEEE802.3af (Class 2)
- Max power consumption: 5W

ETHERNET

- Connector: RJ 45
- Interface to IP network: 10/100 BASE-T IEEE802.3

APPROVALS

- EN 60950 - 1 (Safety)
 - IEC60950 - 1
 - CSA c-CSA-us or UL60950 - 1
- FCC part 15D, conducted & radiated
- FCC part 15B

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