Orchestrating a brighter world

NEC

AP500

DUAL CELL BASE STATION POE DC

The AP500 Dual Cell base station is the ideal base station for small and medium businesses and enterprises.

AP500 IP DECT DUAL CELL BASE STATION

The AP500 Dual Cell Base Station is a perfect fit for small businesses and enterprises, providing on-site mobility for users who must be contactable wherever they are within the office. Together with the NEC G277 and G577 DECT Handsets it offers an cost effective DECT solution.

EXTENDED COVERAGE

The coverage can be extended with AP500 Series Repeaters if needed (up to 6 repeaters per base station). The solution can also easily be upgraded to two AP500 Dual Cell Base Stations in one system ensuring a larger coverage area, and increasing the call capacity to 20 calls per system

SECURITY

DECT communication is encrypted, and all communication between the bases and SIP server can be encrypted.

PLUG AND PLAY

This base station solution offers Plug and Play capabilities for adding handsets and a second base station with zero touch installation. It has LLDP-MED for easy VLAN deployment, Remote configuration, and firmware update.

NEC AP500 BENEFITS

> DECT and LAN synchronisation
> Over-the-air software updates for handsets
> PoE support
> TLS encryption
> Wallmountable and Table stand
> Local and LDAP phone book support
> 1-port 10/100 Mbps connector (RJ45)
> Optional repeaters for expanding coverage
> Up to 20 handsets
> Up to 10 narrowband or 5 wideband calls per base station
> Central directory on the base station with LDAP support
> Caller identification
> Lists of missed, received and dialed calls
> Blind and attended transfer

DECT

> Frequency bands:
  - 1880-1900 MHz (EU)
  - 1920-1930 MHz (US)
  - 1910-1930 MHz (Latam)
> Output power: EU < 250 mW, USA < 100 mW
> Protocols: DECT, DECT 6.0
> Seamless handover and roaming
  Handover using DECT or LAN sychronisation (IEEE1588)
> Wideband and narrowband audio
> Authentication/encryption of base and handset

RANGE

> Indoors: Up to 50 meters
> Outdoors: Up to 300 meters

ADDITIONAL FEATURES

> LDAP(s)
> System monitoring
> Realtime sanity checks and system statistics
> Built-in Certificates

INSTALLATION

> Positioning: Wall mounting/Table stand
> Base station configurable via web interface or NEC DECT
  Cloud Management
> Provisioning:
  - DHCP Options 66
> Handset firmware update over the air via DECT

AUDIO, CODECS

> G.722 (5 channels; 4 in multicell operation)
> G.711 A-law, μ-law,
> Codec negotiation, codec switching

USER INTERFACES

> Language localisation
> Reset key

HARDWARE SPECIFICATIONS

> Weight: approx. 306g
> Dimensions: approx. 144x140x35 mm (LxWxD)
> Antenna diversity (two internal omni-directional antennas
  for better transmission and reception)
> Power: Power over Ethernet (PoE) IEEE802.3af Class 2
> Ethernet connector: RJ 45
> LAN interface: 10/100 BASE-T IEEE 802.3
> Colour: White
> Housing: IP20
> Temperatue Range: -10° to +50°

NETWORK

> HTTP and HTTPS
> LLDP
> IEEE 802.1Q
> TLS 1.2

INCLUDED IN DELIVERY

> AP500 Dual Cell Base Station
> AC Adapter
> Ethernet cable

COMPATIBLE DECT REPEATER

> DECT AP500 Series Repeater

PBX COMPLIANCE

> NEC UNIVERGE SV9100, SV9500
> NEC UNIVERGE BLUE

COMPATIBLE HANDSETS

> G277 DECT
> G577(h) DECT