

W-AIR is a turnkey cordless VoIP DECT solution. Thanks to the auto-provisioning system, connection to the Wildix PBX is simple and immediate. Wildix offers a multicell solution that supports up to 16000 cordless phones and a single cell solution W-AIR Small Business.

Note: W-AIR Base Sync Plus and Sync Plus Outdoor support starts from WMS 4.01.44072.21.

W-AIR SYSTEM HIGHLIGHTS

- DECT CAT-iq
- G.729 and G.711 narrow band codecs
- G.722 wideband codec
- LDAP support
- Seamless handover

- Repeater support (up to 3 repeaters in chain)
- Auto provisioning
- Users presence status monitoring
- LAN PTP sync (W-AIR Sync Plus)
- Multicell Auto Roaming feature

W-AIR SYNC PLUS BASE MULTICELL SOLUTION

- Up to 16000 users per system
- Up to 30 users registered to 1 base station
- Up to 4000 bases per system
- Up to 8 narrow-band channels per base
- Up to 8 concurrent handovers per base
- Up to 3 repeaters per base
- Up to 5 concurrent calls per repeater
- Up to 100 repeaters per system
- Multisite auto-roaming feature
- LAN PTP sync



W-AIR SMALL BASE SOLUTION

- Up to 8 users
- Up to 4 concurrent calls
- Up to 3 repeaters
- No multicell



W-AIR Sync Plus



W-AIR Base Outdoor/
W-AIR Base Sync Plus Outdoor



W-AIR Base Small Business



W-AIR Repeater

W-AIR BASES TECH SPECIFICATIONS

W-AIR Sync Plus/ W-AIR Sync Plus Outdoor	W-AIR Base Outdoor	W-AIR Small Business	W-AIR Repeater
System capacity			
<ul style="list-style-type: none"> Up to 16000 users per system Up to 30 users registered to 1 base Up to 4000 bases per system Sync over LAN/ the air; LAN PTP sync (precision time protocol) Up to 3 repeaters per base: <ul style="list-style-type: none"> Up to 50 bases: 3 repeaters 50-125 bases: 1 repeater More than 125: no repeater Up to 100 repeaters per system Up to 8 concurrent calls per base (multicell mode) <ul style="list-style-type: none"> 8 narrow band channels in multi-cell mode (10 in single cell mode) 4 CAT-iq wideband channels Up to 400 concurrent calls per system <p><i>Note: compatible with W-AIR Base/ W-AIR Outdoor (only Sync over Air)</i></p> <p><i>Note: enabling PTT (push to talk) reduces the number of available channels on each base to 6</i></p>	<ul style="list-style-type: none"> Up to 1000 users per system Up to 30 users registered to 1 base Up to 250 bases per system Sync over the air Up to 3 repeaters per base: <ul style="list-style-type: none"> Up to 50 bases: 3 repeaters 50-125 bases: 1 repeater More than 125: no repeater Up to 100 repeaters per system Up to 8 concurrent calls per base <ul style="list-style-type: none"> 8 narrow band channels 4 CAT-iq wideband channels Up to 400 concurrent calls per system <p><i>Note: enabling PTT (push to talk) reduces the number of available channels on each base to 6</i></p>	<ul style="list-style-type: none"> No multicell Up to 8 users per system Up to 3 repeaters per base Up to 4 concurrent calls 	<ul style="list-style-type: none"> Extending DECT power Repeater to repeater registration (max 3 repeaters in daisy chain) Up to 5 concurrent calls per repeater
Frequency and coverage			
<ul style="list-style-type: none"> Maximum transmission power: <ul style="list-style-type: none"> EU: 250mW (24.0dBm) US: 100mW (20.0dBm) Frequency bands: <ul style="list-style-type: none"> 1880 – 1900MHz (EU) 1920 – 1930MHz (US) Range: Indoor: 50m; Outdoor: 300m Seamless handover 	<ul style="list-style-type: none"> Maximum transmission power: <ul style="list-style-type: none"> EU: 250mW (24.0dBm) US: 100mW (20.0dBm) Frequency bands: <ul style="list-style-type: none"> 1880 – 1900MHz (EU) 1920 – 1930MHz (US) Range: Indoor: 50m; Outdoor: 300m Seamless handover 	<ul style="list-style-type: none"> Maximum transmission power: <ul style="list-style-type: none"> EU: 250mW (24.0dBm) US: 100mW (20.0dBm) Frequency bands: <ul style="list-style-type: none"> 1880 – 1900MHz (EU) 1920 – 1930MHz (US) Range: Indoor: 50m; Outdoor: 300m 	<ul style="list-style-type: none"> Maximum transmission power: <ul style="list-style-type: none"> EU: 250mW (24.0dBm) US: 100mW (20.0dBm) Frequency bands: <ul style="list-style-type: none"> 1880 – 1900MHz (EU) 1920 – 1930MHz (US) Range: Indoor: 50m; Outdoor: 300m Seamless handover
Interface			
• 1 x RJ 45 10/100 BASE-T (IEEE 802.3)	• 1 x RJ45 10/100 BASE-T	• 1 x RJ45 10/100 BASE-T	• 1 x RJ11 (6P2C)
Power Supply			
<ul style="list-style-type: none"> PoE IEEE 802.3af Class 2 Max power consumption: 5W DC power input: 5VDC 2A (not included, WMP code: PS-WAIR-Base-Sync-Plus) 	<ul style="list-style-type: none"> PoE IEEE 802.3af Class 2 Max power consumption: 4W 	<ul style="list-style-type: none"> Input: DC 48V; Output: DC 5V 2A Power consumption 3.84–6.49W 	• 5.5V DC 600mA
W-AIR Sync Plus	W-AIR Base Outdoor/ W-AIR Sync Plus Outdoor	W-AIR Small Business	W-AIR Repeater
Environmental			
<ul style="list-style-type: none"> IP20 Temperature range: -10 to 50° C 	<ul style="list-style-type: none"> IP55 rated protection Suitable for outdoor or cold environments Impact strength IK 08 Temperature range: -20 to 60° C Flammability Tested against UL746C 5V Nano coated PCB Ultraviolet light exposure protected Water exposure in accordance with UL 746C 	<ul style="list-style-type: none"> IP20 Temperature range: -10 to 50° C 	<ul style="list-style-type: none"> Temperature range: -10 to 50° C
Size			
• 144x140x35mm	• 175x250x75 mm	• 118x180x25 mm	• 120x35x135 mm