W-AIR BASE STATIONS DATASHEET - ENGLISH

Wildix

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 Small Business support starts from WMS v. 5.02.20201228.4.

W-AIR SYSTEM HIGHLIGHTS

DECT CAT-iq

G.729 and G.711 narrow band codecs

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)
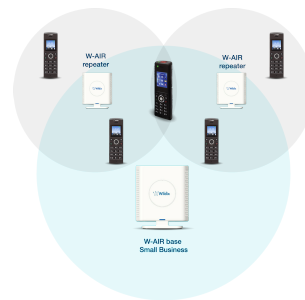
Multicell Auto Roaming feature

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 20 users
- Up to 10 concurrent calls
- Up to 6 repeaters
- No multicell

W-AIR Sync Plus *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 Small Business	W-AIR Repeater

System capacity	• 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:
	  - 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
	• Up to 400 concurrent calls per system
	Note: compatible with W-AIR Base/ W-AIR Outdoor (only Sync over Air)
	Note: enabling PTT (push to talk) reduces the number of available channels on each base to 6
		• 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:
		  - 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
		• Up to 400 concurrent calls per system
		Note: compatible with W-AIR Base/ W-AIR Outdoor (only Sync over Air)
		Note: enabling PTT (push to talk) reduces the number of available channels on each base to 6
			• Up to 20 users per system
			• Up to 6 repeaters per base
			• Up to 10 concurrent calls
			  - 10 channels with G.711
			  - 4 channels with G.729
				• Extending DECT power
				• Repeater to repeater registration (max 3 repeaters in daisy chain)
				• Up to 5 concurrent calls per repeater

Frequency and coverage	• Maximum transmission power:
	  - EU: 250mW (24.0dBm)
	  - US: 100mW (20.0dBm)
	• Frequency bands:
	  - EU: 1880 – 1900MHz
	  - US: 1920 – 1930MHz
	• Range: Indoor: 50m; Outdoor: 300m
	• Seamless handover
		• Maximum transmission power:
		  - EU: 250mW (24.0dBm)
		  - US: 100mW (20.0dBm)
		• Frequency bands:
		  - EU: 1880 – 1900MHz (EU)
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				  - 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 RJ 45 10/100 BASE-T (IEEE 802.3)	• 1 x RJ45 10/100 BASE-T (IEEE802.3)	• 1 x RJ11 (6P2C)
Power Supply	• PoE IEEE 802.3af Class 2 • Max power consumption: 5W • DC power input: 5VDC 2A (not included, WMP code: PS-WAIR-Base-Sync-Plus)	• PoE IEEE 802.3af Class 2 • Max power consumption: 5W • DC power input: 5VDC 2A (not included, WMP code: PS-WAIR-Base-Sync-Plus)	• PoE IEEE 802.3af Class 2 • DC power input: 5VDC 2A (not included, WMP code: PS-5V2A)	• 5.5V DC 600mA
Environmental	• IP20 • Temperature range: -10 to 50° C	• 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	• IP20 • Temperature range: -10 to 50° C	• Temperature range: -10 to 50° C
Size	• 144x140x35mm	• 175x250x75 mm	• 109x93x24 mm	• 109x93x24 mm