

PRODUCT GUIDE

ZoneFlex Indoor AP



FEATURE	H500	R300	R310*	R500*	R510	R600*	R700	R710
DESCRIPTION	Dual-band Universal wall plate 5 port Gigabit Wi-Fi switch	Entry level 802.11n dual-concurrent APs	Entry level 802.11ac Wave 1 dual-concurrent AP	Mid-range 802.11ac Wave 1 dual-concurrent AP with BeamFlex+	Enterprise class 802.11ac Wave 2 dual-concurrent AP with MU-MIMO and BeamFlex+	Mid-range 802.11ac Wave 1 dual-concurrent AP with BeamFlex+	High-end 802.11ac Wave 1 dual-concurrent AP with BeamFlex +	High-end 802.11ac Wave 2 dual-concurrent AP with MU-MIMO and BeamFlex+
Maximum PHY rate	867 Mbps (5GHz) 300 Mbps (2.4GHz)	300 Mbps (5GHz) 300 Mbps (2.4GHz)	867 Mbps (5 GHz) 300 Mbps (2.4GHz)	867 Mbps (5GHz), 300 Mbps (2.4GHz)	867 Mbps (5GHz), 300 Mbps (2.4GHz)	1300 Mbps (5GHz) 450 Mbps (2.4GHz)	1300 Mbps (5GHz) 450 Mbps (2.4GHz)	1733 Mbps (5GHz) 800 Mbps (2.4GHz)
Wi-Fi technology	802.11ac (2.4/5GHz)	802.11n (2.4/5GHz)	802.11ac (5GHz) 802.11n (2.4 GHz)	802.11ac (5GHz) 802.11n (2.4GHz)	802.11ac (5GHz) 802.11n (2.4GHz)	802.11ac (5GHz) 802.11n (2.4GHz)	802.11ac (5GHz) 802.11n (2.4GHz)	802.11ac (5GHz) 802.11n (2.4GHz)
Concurrent users	100	256	100	512	512	512	512	512
Radio chains:streams	2x2:2	2x2:2	2x2:2	2x2:2	2x2:2	3x3:3	3x3:3	4x4:4
Antenna patterns	8	64	64	64	64	512	1,000+	4,000+
BeamFlex gains	2 dB Tx / 3-5dB Rx	4 dB Tx	4dB	up to 4 dB Tx/ 3-5 dB Rx	up to 4 dB Tx/ 3-5 dB Rx	6 dB Tx / 3-5dB Rx	6 dB Tx / 3-5dB Rx	6 dB Tx / 3-5dB Rx
Interference mitigation	Up to 5dB	Up to 10dB	up to 10dB	up to 10dB	up to 10dB	up to 15dB	up to 15dB	up to 15dB
PD-MRC	✓	—	—	✓	✓	✓	✓	✓
Rx sensitivity (2.4/5GHz)	-99/-96 dBm	-101/-97 dBm	-99 dBm	-100/-95 dBm	-103 dBm	-100/-95 dBm	-99 dBm	-104 dBm
ChannelFly	✓	✓	✓	✓	✓	✓	✓	✓
Smart meshing	✓	—	—	✓	✓	✓	✓	Future software release
USB	—	—	—	—	✓	—	—	✓
Ethernet ports	5	1	1	1	2	2	2	2
SKU/Part Number	901-H500-XX00	901-R300-XX02	901-R310-XX02	901-R500-XX00	901-R510-XX00	901-R600-XX00	901-R700-XX00	901-R710-XX00

*Supports Ruckus Unleashed and Cloud Wi-Fi








PRODUCT GUIDE

ZoneFlex Outdoor AP and Bridges



FEATURE	T300*	T301 Series*	T710	ZF7781CM	P300
DESCRIPTION	Enterprise class 802.11ac AP with integrated omni or external antennas (5GHz)	Enterprise class 802.11ac AP with 120° or 30° directional integrated antennas	High-end 802.11ac Wave 2 dual concurrent AP with BeamFlex+	High-end DOCSIS 3.0 802.11n AP	Point-to-Point / Multi-point bridge
Maximum PHY rate	867 Mbps (5GHz) 300 Mbps (2.4GHz)	867 Mbps (5GHz) 300 Mbps (2.4GHz)	1733 Mbps (5GHz), 800 Mbps (2.4GHz)	450 Mbps (5GHz) 450 Mbps (2.4GHz)	867 Mbps (5GHz)
Wi-Fi technology	802.11ac (5GHz), 802.11n (2.4GHz)	802.11ac (5GHz), 802.11n (2.4GHz)	802.11ac (5GHz) 802.11n (2.4GHz)	802.11n (2.4/5GHz)	802.11ac (5GHz)
Concurrent users	512	512	512	500	—
Radio chains:streams	2x2:2	2x2:2	4x4:4	3x3:3	2x2:2
Antenna patterns	64	8	4,000+	1,000+	—
BeamFlex gains	4dB Tx/ 3-4dB Rx	4dB Tx / 3-4dB Rx	up to 6 dB Tx/ 3-5 dB Rx	6dB Tx / 3-4dB Rx	—
Interference mitigation	Up to 10dB	Up to 10dB	up to 15dB	up to 15dB	—
PD-MRC	✓	✓	✓	✓	✓
Rx sensitivity (2.4/5GHz)	-100/-95 dBm	-100/-94 dBm	-104/-104 dBm	-101/-96 dBm	-96 dBm
ChannelFly	✓	✓	✓	✓	✓
Smart meshing	✓	✓	✓	✓	—
Ethernet ports	1	1	2	1	1
SKU/Part Number	901-T300-XX01 or XX81 for E	901-T301-XX01 or XX51 for S	901-T710-XX01 or XX51 for S	901-7781-XXCM	901-P300-XX01 or -XX02

*Supports Ruckus Unleashed and Cloud Wi-Fi

	Controller Hardware			Virtual Controller		Controller-Less	Cloud
							
FEATURE	ZoneDirector 1200	SmartZone 100	SmartCell Gateway 200	Virtual SmartZone-E	Virtual SmartZone-H	Unreleased	Ruckus Cloud Wi-Fi
Number of APs supported	5 Min. then granular per AP	Up to 1,024 / 3,000 cluster	Up to 10,000	1,024, 3K w/cluster	10K, 30K w/cluster	Up to 25	Virtually unlimited number of APs supported
Clients	Up to 2,000	Up to 25,000 / 60,000 cluster	Up to 100,000	25K/60K per cluster	100K/300K per cluster	up to 512	Clients per AP: refer to AP data sheet
Ethernet ports	25 cm (L), 15.93 cm (W), 3.16 cm (H)	1RU: 438 MM (W) x 292.1 MM (D) x 44 MM (H); 17.25"(W) x 11.5"(D) x 1.73"(H)	50.8 cm (L), 45.53 cm (W), 8.76 cm (H) 40 Lbs. (18.14 kilograms) 2RU rack mountable	1 vNIC	1 or 3 vNIC	N/A	N/A
Authentication support	802.1X, Local database, Active Directory, RADIUS, LDAP	802.1X, MAC address	See Data Sheet	802.1X, Local database, Active Directory, RADIUS, LDAP	802.1X, Local database, Active Directory, RADIUS, LDAP	Local database or AAA server	802.1X, External RADIUS
Guest networking/captive portal	✓	✓	✓	✓	✓	✓	✓
DHCP server	✓	✓	✓	✓	✓	External or Assigned	No
AP discovery and control	L2/L3	L2/L3	L2/L3	L2/L3	L2/L3	L2	L2
SSID/WLAN support	256	2,048 / 2,048 cluster	10,000 with no local reporting or 2,500 with local reporting	2,048	6,000	16	15/Venue
Management Interface	Web GUI, FlexMaster, SCI	Web GUI, CLI, SCI	Web GUI, CLI, SCI	Web GUI, SCI	Web GUI, SCI	Web GUI, CLI	Web GUI
Remote Management	No	No	No	Yes	Yes	No	Yes
Management protocol(s)	SNMP v3	SNMP v3	SNMP v3	SNMP v3	SNMP v3	SNMP v3	N/A
VLAN support	802.1Q (per BSSID), Dynamic VLANs	802.1Q (per BSSID), Dynamic VLANs	802.1Q (per BSSID), Dynamic VLANs	Dynamic VLANs	Dynamic VLANs	802.1Q (per BSSID)	Dynamic VLANs
Deployment	Tunneling or local breakout	Tunneling or local breakout	Tunneling or local breakout	Tunneling or local breakout	Tunneling or local breakout	N/A	N/A
Power supply	DC or AC	DC or AC	DC or AC	N/A	N/A	PoE	N/A
Fans	—	Redundant	Six redundant (Not hot swappable)	N/A	N/A	N/A	N/A
SKU/Partnumber	901-1205-XX00	1GE: P01-S104-XX00 10GE: P01-S124-XX00 AP Lic: L09-0001-SG00	901-S20J-WW10/00	L09-VSCG-WW00	L09-VSCG-WW00	9U1-T300-XX01 or XX81 for E 9U1-T301-XX61 or XX51 for S 9U1-R310-XXYY 9U1-R500-XX00 9U1-R600-XX00	9U1-T300-XX01 or XX81 for E 9U1-T301-XX61 or XX51 for S 9U1-R310-XXYY 9U1-R500-XX00 9U1-R600-XX00

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