



FEATURE	C110	H510 [†]	R300	R310 ^{**}	R500 ^{**}	R510 [†]	R610	R710 ^{**}
DESCRIPTION	802.11ac Wave 2 dual-concurrent wall plate with built-in DOCSIS 3.0 cable modem	802.11ac Wave 2 dual-concurrent wall switch with five GbE ports and BeamFlex+	Entry level 802.11n dual-concurrent AP	Entry level 802.11ac Wave 1 dual-concurrent AP	Mid-range 802.11ac Wave 1 dual-concurrent AP with BeamFlex+	Mid-range 802.11ac Wave 2 dual-concurrent AP with MU-MIMO and BeamFlex+	Mid-range 802.11ac Wave 2 dual-concurrent AP with MU-MIMO and 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)	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) 600 Mbps (2.4GHz)	1733 Mbps (5GHz) 800 Mbps (2.4GHz)
Wi-Fi technology	802.11ac (2.4/5GHz)	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)
Concurrent users	100	100	256	100	512	512	512	512
Radio chains:streams	2x2:2	2x2:2	2x2:2	2x2:2	2x2:2	2x2:2	3x3:3	4x4:4
Antenna patterns (per band)	4	4	64	64	64	64	512	4,000+
BeamFlex gains	2dB Tx / 3-5dB Rx	2dB Tx / 3-5dB Rx	4dB Tx	4dB Tx	up to 4 dB Tx/ 3-5 dB Rx	up to 4 dB Tx/ 3-5 dB Rx	6dB Tx / 3-5dB Rx	6 dB Tx / 3-5dB Rx
Interference mitigation	Up to 5dB	Up to 5dB	Up to 10dB	up to 10dB	up to 10dB	up to 10dB	up to 15dB	up to 15dB
PD-MRC	✓	✓	–	–	✓	✓	✓	✓
Rx sensitivity (2.4/5GHz)	-96/-95dBm	-99/-96dBm	-101/-97dBm	-99dBm	-100/-95dBm	-103dBm	-100dBm	-104dBm
ChannelFly	✓	✓	✓	✓	✓	✓	✓	✓
Smart meshing			–	–	✓	✓	✓	✓
USB	✓	✓	–	–	–	✓	✓	✓
Ethernet ports	2	5	1	1	2	2	2	2
SKU/Part Number	901-C110-XX00	901-H510-XX00	901-R300-XX02	901-R310-XX02	901-R500-XX00	901-R510-XX00	901-R610-XX00	901-R710-XX00

* Supports Ruckus Unleashed
[†] Supports Cloud Wi-Fi

PRODUCT GUIDE








ZoneFlex Outdoor AP and Bridges



FEATURE	T300*†	T301 Series*†	T610	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	Mid-range 802.11ac Wave 2 dual concurrent AP with BeamFlex+	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)	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)	802.11ac (5GHz), 802.11n (2.4GHz)	802.11n (2.4/5GHz)	802.11ac (5GHz)
Concurrent users	512	512	512	512	500	—
Radio chains:streams	2x2:2	2x2:2	4x4:4	4x4:4	3x3:3	2x2:2
Antenna patterns (per band)	64	8	4,000+	4,000+	2000+	—
BeamFlex gains	4dB Tx/ 3-4dB Rx	4dB Tx / 3-4dB Rx	Up to 6dB	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	up to 15dB	—
PD-MRC	✓	✓	✓	✓	✓	✓
Rx sensitivity (2.4/5GHz)	-100/-95dBm	-100/-94dBm	-104dBm	-104/-104dBm	-101/-96dBm	-96dBm
ChannelFly	✓	✓	✓	✓	✓	✓
Smart meshing	✓	✓	✓	✓	✓	—
Ethernet interface	1	1	2	2	1	1
Fiber interface	--	--	--	✓	--	--
SKU/Part Number	901-T300-XX01 or XX81 for E	901-T301-XX01 or XX51 for S	901-T610-XX01 or XX51 for S	901-T710-XX01 or XX51 for S	901-7781-XXCM	901-P300-XX01 or -XX02

* Supports Ruckus Unleashed

† Supports Cloud Wi-Fi

	Controller Hardware			Virtual Controller		Controller-Less	Cloud
							
FEATURE	ZoneDirector 1200	SmartZone 100	SmartCell Gateway 200	Virtual SmartZone-E	Virtual SmartZone-H	Unleashed	Ruckus Cloud Wi-Fi
Number of APs supported	Up to 75	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	Refer to selected AP data sheet	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	802.1x, local database, Active Directory, RADIUS, LDAP	PSK, 802.1x, Active Directory, RADIUS, LDAP, SMS, social login, open
Guest networking/captive portal	✓	No	✓	✓	✓	✓	✓
DHCP server	✓	✓	✓	✓	✓	External or Assigned	External or assigned
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	Dynamic VLANs	Dynamic VLANs	Dynamic VLANs	Dynamic VLANs	Dynamic VLANs	No	Dynamic VLANs
Deployment	Tunneling or local breakout	Tunneling or local breakout	Tunneling or local breakout	Tunneling or local breakout	Tunneling or local breakout	Local Breakout	Tunneled and Local Breakout
Power supply	DC or AC	DC or AC	DC or AC	N/A	N/A	PoE	APs powered using PoE or optional power supply
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	Refer to Unleashed data sheet for supported APs	Refer to Cloud Wi-Fi data sheet for supported APs