R610 Wave 2 AP - Preliminary Specifications

DOWER	- 501 1 401/50 4 04
POWER	DC Input: 12 VDC 1.0A
	Power over Ethernet 802.3 af
PHYSICAL SIZE	• TBD
WEIGHT	• TBD
ETHERNET PORTS	2 auto MDX, auto-sensing 10/100/1000 Mbps, RJ-45, POE port (on one port)
LOCK OPTIONS	Hidden latching mechanism Kensington Lock Hole T-bar Torx Bracket (902-0108-0000) Torx screw & padlock (sold separately)
ENVIRONMENTAL CONDITIONS	Operating Temperature: 0°C - 40°C Operating Humidity: 10% - 95% non-condensing
POWER DRAW	• TBD
USB PORT	• Yes

CAPACITY	
CONCURRENT STATIONS	Up to 512 clients per AP
SIMULTANEOUS VOIP CLIENTS	• Up to 30

RF		
ANTENNA	Adaptive antenna that provides up to 512 unique antenna patterns per radio Full omnidirectional polarization diversity	
PHYSICAL ANTENNA GAIN	• Up to 3 dBi	
BEAMFLEX* SINR TX GAIN	• Up to 6 dB	
BEAMFLEX* SINR RX GAIN	• 3-5 dB (PD-MRC)	
INTERFERENCE MITIGATION	• Up to 15 dB	
MINIMUM RX SENSITIVITY	• Up to -101 dBm	

^{*}BeamFlex gains are statistical system level effects translated to enhanced SINR based on observations over time in real-world conditions with multiple APs and many clients

MANAGEMENT	
DEPLOYMENT OPTIONS	Standalone (individually managed) Managed by ZoneDirector Managed by SmartZone Managed by FlexMaster Managed by SmartCell Gateway 200
CONFIGURATION	 Web User Interface (HTTP/S) CLI (Telnet/SSH), SNMP v1, 2, 3 TR-069 vis FlexMaster
AUTO AP SOFTWARE UPDATES	FTP or TFTP, remote auto available

WI-FI	
STANDARDS	IEEE 802.11a/b/g/n/ac2.4GHz and 5GHz
SUPPORTED DATA RATES	 802.11n/ac: 6.5Mbps – 260Mbps (20MHz) 13.5Mbps – 600Mbps (40MHz) 29.3Mbps – 1300Mbps (80MHz) 802.11a: 54, 48, 36, 24, 18, 12, 9 and 6Mbps 802.11b: 11, 5.5, 2 and 1 Mbps 802.11g: 54, 48, 36, 24, 18, 12, 9 and 6 Mbps
RADIO CHAINS	• 3×3
MIMO	SU-MIMO - Up to 3 streams MU-MIMO - Up to 3 streams
RF POWER OUTPUT (Aggregate)	28 dBm for 2.4GHz†27 dBm for 5GHz†
CHANNELIZATION	• 20MHz, 40MHz, 80MHz, 160MHz
FREQUENCY BAND	 IEEE 802.11 b/g/n: 2.4 – 2.484 GHz IEEE 802.11a/ac: 5.15 – 5.25 GHz; 5.25 – 5.35 GHz; 5.47 – 5.725 GHz; 5.725 – 5.85 GHz
OPERATING CHANNELS	 US/Canada: 1-11, Europe (ETSI X30): 1-13, Japan X41: 1-13 5 GHz channels: Country dependent
POWER SAVE	Supported
WIRELESS SECURITY	WPA-PSK, WPA-TKIP, WPA2 AES, 802.11i Authentication via 802.1X with the ZoneDirector, local authentication database, support for RADIUS, LDAP, and ActiveDirectory
CERTIFICATIONS*	U.S., Europe, Australia, Brazil, Canada, Chile, China, Colombia, Costa Rica, Hong Kong, India, Indonesia, Israel, Japan, Korea, Malaysia, Mexico, New Zealand, Peru, Philippines, Saudi Arabia, Singapore, South Africa, Taiwan, Thailand, UAE, Vietnam WEEE/RoHS compliance EN-60601-1-2 (Medical) Wi-Fi Alliance EN50121-1 Railway EMC EN50121-4 Railway Immunity IEC 61373 Railway Shock & Vibration UL 2043 plenum rated 5GHz UNII-1 (2014)

[†] Maximum power varies by country

Product Ordering Information

MODEL	DESCRIPTION	
ZoneFlex R600 Smart Wi-Fi 802.11ac Access Point		
901-R610-XX00	Concurrent dual band 802.11ac AP, no power adapter	
Optional Accessories		
902-0108-0000	Spare, Accessory Mounting Bracket	
902-0173-XXYY	Power Adapter, AC/DC wall plug,100-240Vac 50/60Hz	
902-0162-XXYY	PoE injector (sold in quantities of 10 or 100)	

PLEASE NOTE: When ordering ZoneFlex Indoor APs, you must specify the destination region by indicating -US, -IL, or -WW instead of XX. When ordering PoE injectors or power supplies, you must specify the destination region by indicating -US, -EU, -AU, -BR, -CN, -IN, -JP, -KR, -SA, -UK, or -UN instead of -XX.



^{*}See price list for latest country certification listing