R610 Wave 2 AP - Preliminary Specifications

PHYSICAL CHARACTERISTICS

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/ac • 2.4GHz 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 x 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
*See price list for latest country certification listing

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.

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