

Model R350

Wireless Access Point Datasheet



Model Number	R350
Product Name	R350 Access Point
Manufacturer	Ruckus Wireless, Inc.
802.11n Radio Standards	IEEE 802.11a/b/g/n/ac/ax
WLAN Dual-Band Concurrent	2.4G 802.11ax, 2x2, 40MHz 5G 802.11ax, 2x2, 80MHz
Frequency Bands	IEEE 802.11n (HT-20; HT-40; 20/40MHz BW)
	2400 – 2483.5MHz (11 channels FCC / 13 channels ETSI – 20 MHz BW)
	IEEE 802.11a/n/ac/ax (20MHz BW)
	5150 – 5250 MHz (4 channels 20MHz)
	5250 – 5350 MHz (4 channels 20MHz)
	5470 – 5725 MHz (11 channels 20MHz)
	5725 – 5850 MHz (5 channels 20MHz)
	IEEE 802.11n/ac/ax (40MHz BW)
	5150 – 5250 MHz (2 channels HT40)
	5250 – 5350 MHz (2 channels HT40)
	5470 – 5725 MHz (5 channels HT40)
	5725 – 5850 MHz (2 channels HT40)
	IEEE 802.11ac/ax (80 MHz BW)
	5150 – 5250 MHz (1 channel 80MHz)
	5250 – 5350 MHz (1 channel 80MHz)
	5470 – 5725 MHz (2 channel 80MHz)
	5725 – 5850 MHz (1 channel 80MHz)
	Note: Country-specific restrictions apply to allowed frequency bands of operation
Supported radio technologies	802.11b: Direct-sequence spread-spectrum (DSSS)
	802.11g/n: Orthogonal frequency division multiplexing (OFDM) 2x2 MIMO
	802.11a/n/ac/ax: Orthogonal frequency division multiplexing (OFDM) 2x2 MIMO
Supported modulation types	802.11b: DBPSK, DQPSK, CCK
	802.11a/g/n/ac: BPSK, QPSK, 16-QAM, 64-QAM
	802.11ac/ax: BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM

Association rates (Mbps)	2.4GHz: CCK, 6M, 54M, MCS0, MCS4, MCS7, MCS8, MCS9, MCS11	
	5GHz: 6M, 54M, MCS0, MCS4, MCS7, MCS9, MCS11	
Channelization	20MHz, 40MHz, 80 MHz	
Processor & Radio	Cypress IPQ6010; 5G-QCN5052 & 2G-QCN5021	
Internal Antenna	Dual Band Omni PCB Antenna	
Internal Antenna Gains	2.4GHz: 2.0 dBi	5GHz: 3.0 dBi
Antenna Polarity	1 vertically & 1 horizontally polarized antennas per band	
Beamforming	2.4GHz and 5GHz do not supports Tx Beamforming	
Security	TPM based	
LAN Interface	1 Port 10/100/1000 Mbps RJ-45 Ethernet with PoE in	
USB	1x Type A USB2.0	
Power	DC Input: 12Vdc; 1A LPS UL Listed Power Supply Power over Ethernet 802.3at, 48V DC Nominal	
Mounting Options	T-bar bracket (wall/ceiling mounting)	
Operating Temperature	0° - 40° C	
Operating Humidity	10 - 95% non-condensing	
Enclosure	Indoor Use – IP40 rated	
Enclosure Material	Plastic cover enclosure, metal bottom enclosure	
Enclosure Size	135mm x 141.87mm	
Weight	TBD	

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