

Wi-Fi Data Rates Supported	802.11a (OFDM): 6, 9, 12, 18, 24, 36, 48, 54 Mbps 802.11b (DSSS): 1, 2, 5.5, 11 Mbps 802.11g (OFDM): 6, 9, 12, 18, 24, 36, 48, 54 Mbps 802.11n (OFDM, MCS 0-7) 6.5, 7.2, 13.0, 14.4, 19.5, 21.7, 26.0, 28.9, 39.0, 43.3, 52.0, 57.8, 58.5, 65.0, 72.2 Mbps
Wi-Fi Modulation	BPSK @ 1, 6, 6.5, 7.2 and 9 Mbps QPSK @ 2, 12, 13, 14.4, 18, 19.5 and 21.7 Mbps CCK @ 5.5 and 11 Mbps 16-QAM @ 24, 26, 28.9, 36, 39 and 43.3 Mbps 64-QAM @ 48, 52, 54, 57.8, 58.5, 65 and 72.2 Mbps
802.11n Spatial Streams	1 (Single Input, Single Output)
Bluetooth Data Rates Supported	1, 2, 3 Mbps
Bluetooth Modulation	GFSK@ 1 Mbps Pi/4-DQPSK@ 2 Mbps 8-DPSK@ 3 Mbps
Regulatory Domain Support	FCC (Americas, Parts of Asia and Middle East) ETSI (Europe, Middle East, Africa and Parts of Asia) MIC (Japan)(formerly TELEC) KC (Korea) (formerly KCC)
2.4 GHz Frequency Bands	ETSI: 2.4 GHz to 2.483 GHz FCC: 2.4 GHz to 2.483 GHz MIC: 2.4 GHz to 2.495 GHz KC: 2.4 GHz to 2.483 GHz
5 GHz Frequency Bands	ETSI: 5.15 GHz to 5.35 GHz 5.47 GHz to 5.725 GHz FCC: 5.15 GHz to 5.35 GHz 5.47 GHz to 5.725 GHz 5.725 GHz to 5.82 GHz MIC: 5.15 GHz to 5.35 GHz KC: 5.15 GHz to 5.35 GHz 5.725 GHz 5.82 GHz
2.4 GHz Operating Channels	ETSI: 13 (3 non-overlapping) FCC: 11 (3 non-overlapping) MIC: 14 (4 non-overlapping) KC: 13 (3 non-overlapping)
5 GHz Operating Channels	ETSI: 19 non-overlapping FCC: 23 non-overlapping MIC: 8 non-overlapping KC: 12 non-overlapping
Transmit Power	802.11a: 6 Mbps 16 dBm (40 mW) 54 Mbps 14 dBm (25 mW) 802.11b: 1 Mbps 17 dBm (50 mW) 11 Mbps 16 dBm (40 mW) 802.11g: 6 Mbps 15 dBm (32 mW) 54 Mbps 13 dBm (20 mW) 802.11n (2.4 GHz): 6.5 Mbps (MCS0) 15 dBm (32 mW) 65 Mbps(MCS7) 11 dBm (13 mW) 802.11n (5 GHz): 6.5 Mbps (MCS0) 16 dBm (40 mW) 65 Mbps(MCS7) 13 dBm (20 mW)
Note: Transmit power varies according to individual country regulations. All values nominal, +/-2 dBm.	
Note: Summit 40 series radios support a single spatial stream and 20 MHz channels only.	

	Bluetooth: 1 Mbps 0 dBm (1mW) 2 Mbps 0 dBm (1mW) 3 Mbps 0 dBm (1mW)
Typical Receiver Sensitivity	802.11a: 6 Mbps -90 dBm 24 Mbps -84 dBm 54 Mbps -75 dBm (PER <= 10%) 802.11b: 1 Mbps -96 dBm 11 Mbps -89 dBm (PER <= 10%) 802.11g: 6 Mbps -90 dBm 24 Mbps -84 dBm 54 Mbps -74 dBm (PER <= 10%) 802.11n (2.4 GHz) MCS0 Mbps -90 dBm MCS4 Mbps -79 dBm MCS7 Mbps -72 dBm 802.11n (5 GHz) MCS0 Mbps -89 dBm MCS4 Mbps -79 dBm MCS7 Mbps -71 dBm Bluetooth: 1 Mbps TBD 2 Mbps TBD 3 Mbps TBD
Operating Systems Supported	Windows Mobile 6.5 Windows Mobile 6.1 Windows Mobile 6.0 Windows Mobile 5.0 Windows Embedded CE 7.0 Windows Embedded CE 6.0 R3 Windows Embedded CE 6.0 R2 Windows Embedded CE 6.0 Windows Embedded CE 5.0 Linux, 2.6.x, 3.x.x kernel
Security	Standards: Wireless Equivalent Privacy (WEP) Wi-Fi Protected Access (WPA) IEEE 802.11i (WPA2) Encryption: Wireless Equivalent Privacy (WEP, RC4 Algorithm) Temporal Key Integrity Protocol (TKIP, RC4 Algorithm) Advanced Encryption Standard (AES, Rijndael Algorithm) Encryption Key Provisioning: Static (40-bit and 128-bit lengths) Pre-Shared (PSK) Dynamic 802.1X Extensible Authentication Protocol Types: EAP-FAST EAP-TLS EAP-TTLS PEAP-GTC PEAP-MSCHAPv2 PEAP-TLS LEAP
Compliance	ETSI Regulatory Domain: EN 300 328 (Wi-Fi) EN 300 328 v1.7.1 (BT 2.1) EN 301 489-1 EN 301 489-17 EN 60950-1 EN 301 893 R&TTE Directive 99/5/EC EU 2011/65/EU (RoHS) REACH FCC Regulatory Domain: Part 15.247 DTS - 802.11b/g (Wi-Fi) - 2.4 GHz & 5.8 GHz FCC 15.407 UNII - 802.11a (Wi-Fi) - 2.4 GHz & 5.4 GHz FCC 15.247 DSS - BT 2.1 Industry Canada: RSS-210 - 802.11a/b/g/n (Wi-Fi) - 2.4 GHz, 5.8 GHz, 5.2 GHz, and 5.4 GHz RSS-210 - BT 2.1

AS/NZS:
AS/NZS 4268:2008 +A1:2010 (RLAN device)
AS/NZS 4268:2008 +A1:2010 (BT device)

Certifications

Wi-Fi Alliance:
802.11a, 802.11b, 802.11g, 802.11n
WPA Enterprise
WPA2 Enterprise



Cisco Compatible Extensions (Version 4)



Bluetooth SIG Qualification

Warranty

Limited Lifetime

All specifications are subject to change without notice

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