Spark™ AC Wave2

Cloud-Enabled Indoor/Outdoor AP

IgniteNet™'s Spark™ AC Wave2 is the most cost-effective, cloud-managed 802.11ac Wave2 access point on the market. The Spark™ AC Wave2 contains 2 independent, concurrent operation radios - one 802.11ac (5GHz) radio and one 802.11n (2.4GHz) radio - capable of delivering blisteringly fast wireless speeds. The sleek design of the Spark™ AC Wave2 allows it to be placed inconspicuously in both offices and homes, bringing fast wireless connections to hard-to-reach locations. In addition the Spark AC Wave2 features an innovative indoor/outdoor design in one universal model.

Cloud-Enabled Networking

The IgniteNet™ Spark™ AC Wave2 is cloud-enabled out of the box allowing for easy, highly scalable installation, configuration, and management.

Dual Band AC1200 Wave2 Operation

The Spark™ AC Wave2 is capable of operating simultaneously at 2.4GHz (802.11b/g/n) as well as 5GHz (802.11a/n/ac) to supply ample throughput for the most demanding applications.

802.11AC Wave2 Features for Performance

The Spark™ AC1200 Wave2 features the latest 802.11ac Wave2 standard including MU-MIMO and enhanced beam forming - giving the best price/performance ratio in the market.

Robust Yet Simple Mounting Options

The Spark™ AC Wave2 can be wall, ceiling, or desktop mounted both indoors and outdoors, greatly simplifying installations in both offices, homes, parks, smart cities and many other applications.

FEATURES

HARDWARE FEATURES
› 1x Gigabit Ethernet Port (PoE IN)
› 1x Gigabit Ethernet Port
› 1x USB 2.0 Port
› Dual flash image support
› IP55 rated enclosure

LEDs
› Power/ 2.4G-WiFi/ 5G-WiFi / Eth0 PoE IN / Eth1

DIMENSIONS (L x W x H)
› 176 x 162 x 33 mm (6.9 x 6.4 x 1.3 inch)

WEIGHT
› 417 g (0.92 lb)

POWER
› 12V/1A DC
› 802.3af Power over Ethernet

OPERATING ENVIRONMENT
› Operating Temperature: -30°C to 55°C (-22°F to 131°F)
› Store Temperature: -40°C to 70°C (-40°F to 158°F)
› Operating Humidity: 10% to 90% non-condensing (RH)

REGULATORY / STANDARDS COMPLIANCE
› FCC, IC, CE, AU, MIC, NCC, SRRC, TELEC, JATE

RF PERFORMANCE (TX)
› 2.4GHz: 23 dBm @ 6Mbps, 14 dBm @ 400Mbps
› 5GHz: 26 dBm @ 6Mbps, 18 dBm @ 866Mbps

RF PERFORMANCE (RX)
› 2.4GHz: -86 dBm @ 6Mbps, -64 dBm @ 400Mbps
› 5GHz: -82 dBm @ 6Mbps, -51 dBm @ 866Mbps

ANTENNA GAIN
› 2.4GHz: 6 dBi - omnidirectional
› 5GHz: 8 dBi - omnidirectional

KEY FEATURES
› Supports Service Provider and Enterprise type networks
› Stand-alone or Cloud-controlled operating modes
› AP/Client/Client WDS modes with Flexible Bridging and Routing
› 802.11a/b/g/n/ac, 2x2, Dual Band Dual Concurrent (2.4GHz and 5GHz)
› Supports up to 8 SSIDs per radio
› IEEE802.11e Wi-Fi Multimedia (WMM-QoS)
› WPA,WPA2-PSK,WPA2-AES, PSK and Enterprise
› Admission control by client MAC address

APPLICATIONS
› Enterprise AP
› 3G/4G Offload
› Managed WiFi Services

ORDERING INFORMATION

Part Number	Description
SP-W2-AC1200-XX	Spark AC Wave2 - Dualband Concurrent Enterprise AP w/ internal antenna

****XX is used to denote localization (US, EU, AU, CN)**

ACCESSORY

Part Number	Description	Antenna	Specification
ICC-IN-MODULE-JL	LTE CAT4 for Japan w/ internal antenna	1.1 dBi @895 MHz 2.4 dBi @1950 MHz	• LTE FDD: B1/B3/B8/B18/B19/B26 • LTE TDD: B41 • WCDMA: B1/B6/B8/B19 • Carrier: NTT DOCOMO/ SoftBank/ KDDI
ICC-EX-MODULE-JL	LTE CAT4 for Japan w/ external antenna	SMA Omni-directional 3.05 dBi	
ICC-EX-MODULE-GL	LTE CAT4 for Global w/ external antenna	SMA Omni-directional 4.0 dBi	• LTE FDD: B1/B2/B3/B4/B5/B7/B8/B12/B13/B18/B19/B20/B25/B26/B28 • LTE TDD: B38/B39/B40/B41 • WCDMA: B1/B2/B4/B5/B6/B8/B19 • Carrier: Deutsche Telekom/ Verizon/ AT&T/ Sprint/ U.S. Cellular/ T-Mobile*/ Rogers*/ Telus*

***Under development**

Remark

When deployed with LTE CAT4 module

- For indoor use only
- -30°C~+45°C operating temperature
- Power adapter: 12V/2A
- 802.3at PoE input

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