



Spark™ AC Wave2

Cloud-Enabled Indoor 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, and its innovative IP-55 standards rated enclosure, bringing fast wireless connections to hard-to-reach locations. In addition the Spark AC Wave2 features an innovative indoor 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.

AC Wave2 Features for Performance

The Spark™ AC1200 Wave2 features the latest 802.11ac 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 indoors, greatly simplifying installations in both offices, homes and many other applications.

FEATURES

HARDWARE FEATURES

- > 1x Gigabit Ethernet Port (PoE IN, 802.3af)
- > 1x Gigabit Ethernet Port (additional)
- > 1x USB 2.0 Port
- > Dual flash image support
- > IP-55 standards rated enclosure

LEDs

- > Power, Ethernet, Wireless, Health/Status, Controller Status

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

REGULATORY / STANDARDS COMPLIANCE

- > FCC, IC, CE, AU, MIC, NCC, SRRC

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 Wave 2 AC1200 - Dualband Concurrent Enterprise AP w/ int antenna

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