



#### Product Overview

IgniteNet™'s Spark™ AC is the most cost-effective, cloud-managed 802.11ac access point on the market. The Spark™ AC 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 ultra-small size of the Spark™ AC allows it to be placed inconspicuously in both offices and homes, bringing fast wireless connections to hard-to-reach locations.

#### Key Features and Benefits

##### Cloud-Enabled Networking

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

##### Dual Band AC750 Operation

The Spark™ AC 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.

##### Powerful, Flexible Configuration

The Spark™ AC can operate either as a stand-alone access point or as a coordinated, cloud-managed access point, easily meeting the requirements of any installation.

##### Robust Yet Simple Mounting Options

The Spark™ AC can be wall, ceiling, or desktop mounted, greatly simplifying installations in both offices and homes.

#### Product Views



Top



Side



I/O Region (all models)

### Features

#### HARDWARE FEATURES

- ✓ 1x Gigabit Ethernet Port (PoE IN)
- ✓ 2x 10/100 Fast Ethernet Ports
- ✓ 1x USB 2.0 Port
- ✓ Dual flash image support

#### LEDs

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

#### DIMENSIONS (L x W x H)

- ✓ 121 x 121 x 30.5mm (4.76 x 4.76 x 1.2 inches)

#### WEIGHT

- ✓ 196g (0.43 lb)

#### POWER

- ✓ 12V/1.5A
- ✓ Passive Power over Ethernet
- ✓ 802.3af Power over Ethernet (3AF model only)

#### OPERATING ENVIRONMENT

- ✓ Operating Temperature: 0C° to 40C°
- ✓ Store Temperature: -40C° to 70C°
- ✓ Operating Humidity: 10 to 90% non-condensing (RH)

#### REGULATORY / STANDARDS COMPLIANCE

- ✓ FCC/IC
- ✓ CE

#### RF PERFORMANCE (TX)

- ✓ 2.4GHz: 27dBm @ 6Mbps, 23dBm @ 300Mbps
- ✓ 5GHz (AC750 models only): 23dBm @ 6Mbps, 19dBm @ 433Mbps

#### 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/n/ac 1x1 (AC750 models only) + 802.11b/g/n 2x2, Dual Band Dual Concurrent ( 2.4GHz and 5GHz)
- ✓ Supports up to 8 SSIDs per radio
- ✓ IEEE802.11e Wi-Fi Multimedia (WMM-QoS)
- ✓ WEP, WPA, WPA2-PSK, WPA2-AES, PSK and Enterprise
- ✓ Admission control by client MAC address
- ✓ Supports bandsteering and assisted roaming
- ✓ Supports dynamic VLAN assignment

#### APPLICATIONS

- ✓ Enterprise AP
- ✓ 3G/4G Offload
- ✓ Managed WiFi Services
- ✓ Managed Home/SMB Gateway

#### ANTENNA

- ✓ 2.4GHz: Omni-directional
- ✓ 5GHz: Omni-directional

### Ordering Information

Part Number	Description
SP-N300-XX	Spark™ N300 - Single-Band Enterprise AP w/ integrated antennas
SP-AC750-XX	Spark™ AC750 - Dualband Concurrent Enterprise AP w/ integrated antennas
SP-AC750-3AF-WW	Spark™ AC750 - Dualband Concurrent Enterprise AP w/ integrated antennas

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

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