



Spark™ AC

Low cost, cloud-enabled Enterprise AP

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.

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.

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)

- › 120 x 120 x 25 mm (4.72 x 4.72 x 0.98 inch)

WEIGHT

- › 200 g (0.44 lb)

POWER

- › 12V/1A DC
- › Passive Power over Ethernet
- › 802.3af Power over Ethernet (3AF model only)

OPERATING ENVIRONMENT

- › Operating Temperature: 0 to +40 C° (32 to 104 F)
- › Store Temperature: -40 to 70C° (-40 to 158 F)
- › Operating Humidity: 10 to 90% non-condensing (RH)

REGULATORY / STANDARDS COMPLIANCE

- › FCC/IC
- › CE

RF PERFORMANCE (TX)

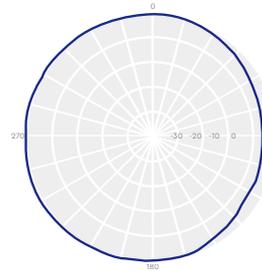
- › 2.4GHz:
27dBm @ 6Mbps, 23dBm @ 300Mbps
- › 5GHz (AC750 models only):
23dBm @ 6Mbps, 19dBm @ 433Mbps

ANTENNA

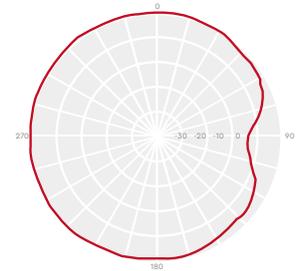
- › 2.4GHz: Omni-directional
- › 5GHz: Omni-directional

ANTENNA PATTERNS

› 2.4 GHz Patterns



› 5 GHz Patterns



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
- › IEEE 802.11e Wi-Fi Multimedia (WMM-QoS)
- › 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

Ordering Information

Part Number	Description
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 (+3af)

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