



## Fusion 70 Access Point

### Data Sheet

Fusion 70® managed Wi-Fi Access Points (APs) work in conjunction with the Fusion 300 Wireless LAN Controller (required) to provide simple, secure voice and data 802.11b/g/n (draft) access for any SMB (Small- to Medium-sized Business). Features of the Fusion 70 provide an SMB with all the power of an enterprise class solution.

The Fusion 70 is Wi-Fi Alliance certified for WPA and WPA2 authentication and encryption. It can serve as a network access device, a Wi-Fi IDS/IPS scanner, or both.

### Technical Specifications

#### Standards and Certifications

- Wi-Fi Alliance b, g, n (draft 2.0) certified
- Wi-Fi Alliance WPA and WPA2 certified
- Wi-Fi Alliance EAP certified
- Wi-Fi Alliance WMM certified
- IEEE802.11b
- IEEE802.11g
- IEEE802.11n (draft 2.0)
- IEEE802.3ab
- IEEE802.3af

#### Data Rates

- 802.11g: 54, 48, 36, 24, 18, 12, 9 and 6 Mbps
- 802.11b: 11, 5.5, 2 and 1 Mbps
- 802.11n (draft 2.0): MCS 0 to 15 for HT20MHz, 6.5-130 Mbps MCS 0 to 15 for HT40MHz

#### Frequency and Modulation Technique

- Signal Frequency: 2.4GHz to 2.484GHz
- 802.11b: DSSS (Direct Sequence Spread Spectrum)
- 802.11g and 802.11n (draft 2.0): OFDM (Orthogonal Frequency Division Multiplexing) and DSSS

#### Software/Firmware

- AP Template provides quick activation
- DHCP server provides IP addressing
- Wireless STA (client) list
- MAC Address filter
- VLAN handling
- Tunnel port policy

#### Wireless Settings

- SSID / Multiple SSID with VLAN
- Channel Selection
- Transmission Rate (Best, 54, 48, 36, 24, 18, 12, 11, 9, 6, 5.5, 2, 1) in Mbps
- Transmit power (Full, Half, Quarter, Eighth, Minimum)
- Beacon Interval (20-300) milliseconds: 100 default
- RTS/CTS Threshold (0-2347) bytes: 2347 default

#### Security

- WEP settings: 802.1x, Open, Shared, and Open + Shared
- Keys input type: HEX / ASCII
- Keys length: 64-bit, 128-bit, 152-bit, and 256-bit
- Default WEP Key to use (1-4)
- WPA-PSK settings
- Cipher type: TKIP
- Group Key Update Interval: 300
- WPA2 settings
- Cipher type: AES/CCMP
- Group Key Update Interval: 300
- WPA2-PSK settings
- Cipher type: AES/CCMP
- Group Key Update Interval: 300

#### Physical

- Power
- AC Input: 90-264 V AC, 47-63Hz
- Dimensions
- Width 7.8" (19.7cm)
- Length 7.8" (19.7cm)
- Height 1.8" (4.5cm)



#### Connections

- One Ethernet, 10/100/1000 Mbps, RJ-45
- One Console, RJ45

#### Environmental

##### Operating

- Temperature: 0-40°C (32-104°F)
- Relative Humidity: 10%-90% non-condensing

##### Storage

- Temperature: -25-75°C (-13-167°F)
- Relative Humidity: 0%-95% non-condensing
- Altitude: Sea level to 40,000 feet

#### Regulatory Compliance

##### Safety

- EN 60950-1
- IEC 60950-1
- UL 60950-1
- ROHS Directive 2002/95/EC - EU

##### EMC/EMI

- FCC part 15 Class B USA/Canada
- RSS 210 Canada
- Directive 1995/5/EC - EU