

EMERGENCY PHONE ACCESSORIES

VOIP-RF-FM3100 - Wireless Interface

Description

Talk-A-Phone's **VOIP-RF-FM3100** Wireless Interface is a MIMO-based tri-band wireless Ethernet solution capable of offering extreme performance with a small form factor. Operating at 4.9 GHz and 5.1-5.8 GHz, and modulating 10 Mbps (upgradable to 300 Mbps), VOIP-RF-FM3100 supports a range of up to 30 miles in line of sight.

Talk-A-Phone's VOIP-RF-FM3100 Wireless Interface has an integrated 2x2 MIMO patch radio antenna with an outdoor rated enclosure that is designed for medium and large point-to-multipoint deployments with up to 150 clients.

Features

- Medium and large point-to-multipoint deployments with up to 150 clients
- Tri-band radio operating at 4.9 GHz and 5.1-5.8 GHz and modulating 10 Mbps (upgradable to 300 Mbps)
- Range of up to 30 miles in line of sight
- · Web based interface for remote management
- Optional 128-bit AES encryption at the link level and 802.1Q VLAN support

Specifications

Frequency bands: 5.15-5.25 and 5.725-5.825 GHz (US, FCC)

5.470-5.725 GHz (Europe, ETSI) 4.940-4.990 GHz (US, FCC)

Modulation: OFDM (BPSK, QPSK, 16-QAM, 64-QAM)

Modulation speed: 10 Mbps (upgradable to 300 Mbps)

Antenna type: 2x2 MIMO
Antenna gain: 16.1-17.1 dBi
Antenna polarization: Dual linear

Beamwidth: 72° H-pol, 93° V-pol, 8° Elevation
Power: 8 watts maximum, 4 watts typical

90/260V 50/60 Hz AC input

Operating temperature: -30° C to +75° C Humidity: 95% condensing

Weather rating: IP65

Wind survivability: 120 mph

Shock & vibration: ETSI 300-019-1.4

Dimensions (W x D x H): 3.1 x 2.8 x 14.6 in. (80 x 70 x 370 mm)

Weight: 3.5 lbs. (1.6 kg)

Enclosure material: Anodized Aluminum

Interface: Internal Ethernet 10/100BaseT autosensing, RJ45
Mounting: Mounts to a pole with supplied Pole Mounting Kit

Compliance: FCC CFR 47 Part 15, class B

Warranty: 2-year warranty



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Options & Accessories

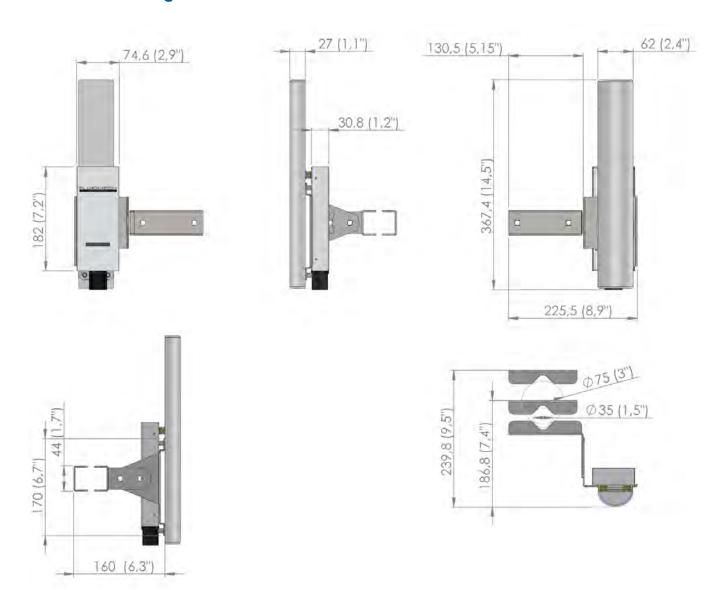
AES-128 link level encryption: Order model **VOIP-RF-FM-AES** to add additional security with AES 128-bit

encryption.

802.1Q VLAN: Order model **VOIP-RF-FM-VLAN** to add the 802.1Q VLAN support.

Modulation speed: Please contact Talk-A-Phone for a quote on upgrading the modulation speed.

Dimensional Diagram



All dimensions are provided for reference only.