

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



VOIP-RF-FM3100 – Wireless Interface

Options & Accessories

AES-128 link level encryption:

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

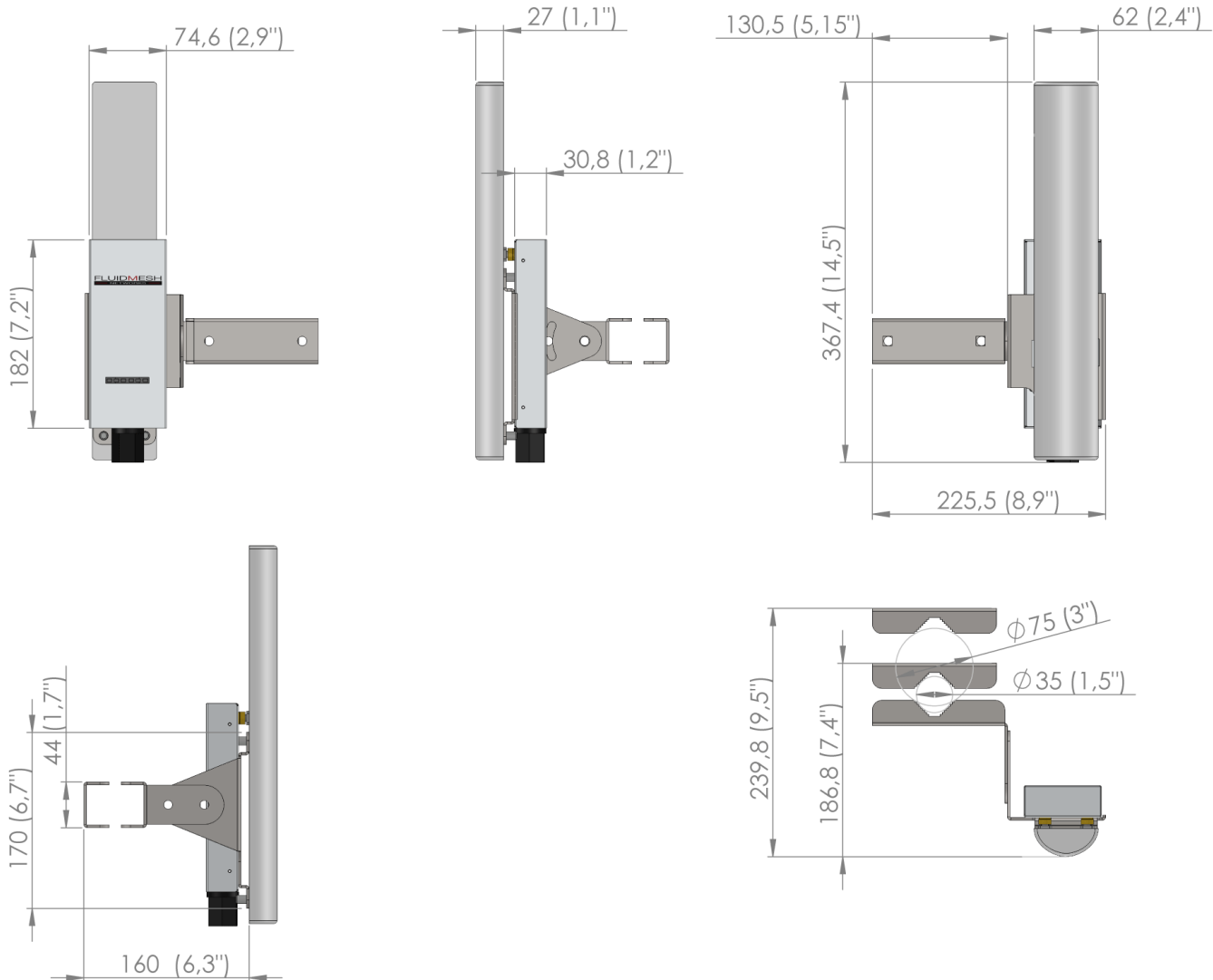
802.1Q VLAN:

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.