

**4G**

Fusion5™

Voice and Data Small Office Cell Reception Solution

SureCall Fusion5

Voice and Data Small Office Cellular Signal Booster for all major U.S. carriers

Overview

Fusion5 is a cellular booster solution that's ideal for offices where reception is weak due to distance from towers, the topography, building materials or structural design. This is a complete solution that covers all major U.S. carriers, and with the fastest 4G speed it's perfect for a fast-paced office. This competitively priced booster easily covers areas up to 6,000 square feet, with up to 10 simultaneous users and is configurable for all indoor environments. SureCall's three-year warranty is a testament to our product quality.

Unique Features

- High Quality Filters and Parts Provide:
 - Superior Performance
 - Higher Power
 - Longer Life
- Highest 4G data rate in the industry
- All carrier frequencies are independently controlled
- First five-band cellular booster compliant with new FCC Certification standards
- Lowest noise figure in the industry
- SC-400 coax cable is certified at the optimum length to ensure maximum performance with minimal loss
- Built in safeguard completely eliminates interference to cell tower

Booster Kit Includes:

All Fusion5 kits include low dB loss SC-400 coax cable

Fusion5 Standard kit model **SC-PolyH/O-72-OD-Kit** includes: outside Omni antenna1, inside dome antenna2, 30' x 75' SureCall coax cable

Additional kits:

Model **SC-PolyH/O-72-YD-Kit**: Outside Yagi3 Antenna with inside dome antenna, 50' x 75' coax cable

Model **SC-PolyH/O-72-OP-Kit**: Outside Omni antenna with inside panel antenna, 50' x 75' coax cable

Model **SC-PolyH/O-72-YP-Kit**: Outside Yagi antenna with inside panel antenna, 50' x 75' coax cable

1. Omni antennas are ideal for topographies with minimal obstacles
2. Dome antennas are best suited for a central location
3. Yagi antennas are designed to reach towers that are up to 30 miles away
4. Panel antennas allow for optimum reception to targeted areas



The SureCall Fusion5 kit featuring the Omni and dome antennas.

Key Features:

- Five Embedded CPU for smarter technology
- Eighteen RSSI detectors for all inputs and outputs
- Stealth technology incorporated – uplink becomes dormant when not in use, providing green, power saving operation
- FCC certified for new regulations and technical standards
- Auto Gain Control (AGC) and pre-warning
- Automatic shut down
- Independently reconfigurable for each band
- Supports 2G and 3G voice and 4G data standards
- Quality metal construction, durable and resilient
- Lowest Out of Band Emissions (OOBE) to date
- Patent #US 8,867,572 B1

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» See page 2 for specifications and installation diagram



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Specification

Model No.

Uplink Frequency Range (MHz):

Downlink Frequency Range (MHz):

Supported Standards:

Input/Output Impedance:

Maximum Gain:

Noise Figure:

VSWR:

AC Power Transmitter:

Maximum Output Power:

Cable:

RF Connectors:

Power Consumption:

Dimensions:

Weight:

FCC ID (USA):

Fusion5

698-716 / 776 – 787 / 824-849 / 1850-1915 / 1710-1755 (G Block Included)

728-746 / 746 – 757 / 869-894 / 1930-1995 / 2110-2155 (G Block Included)

CDMA, WCDMA, GSM, EDGE, HSPA+, EVDO, LTE and all cellular standards

50 ohm

Cellular - 65dB / PCS - 72dB / LTE(A) - 63.5dB / LTE(V) - 64dB / AWS - 71dB

6dB

≤2.0

Input AC 110 V, 60 Hz / Output DC 19 V

1Watt EIRP

SC-400

N Female (both ends)

<25W

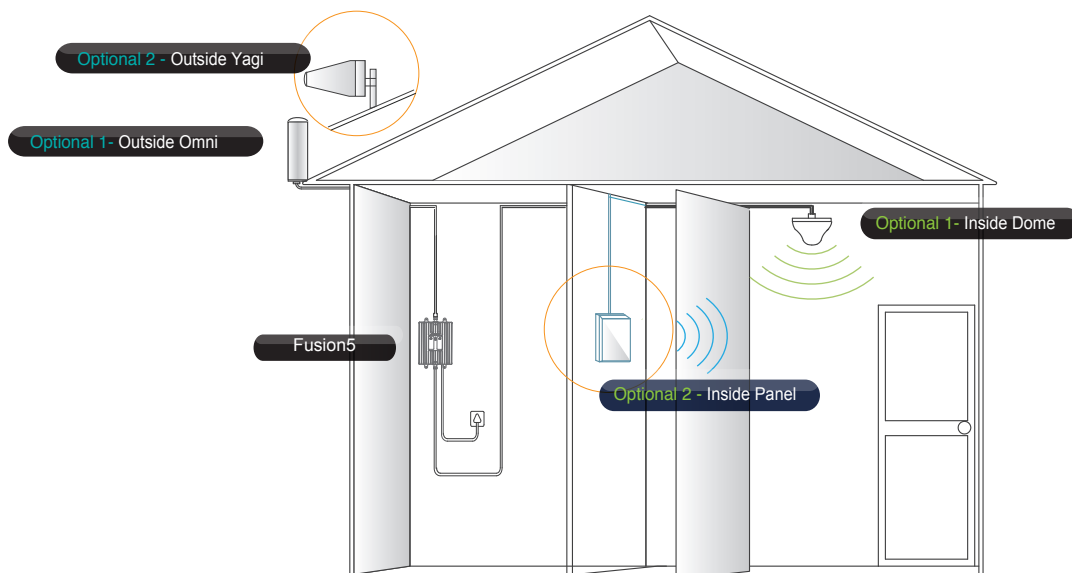
10" X 9" X 2-1/4"

9.5 lbs

RSNFUSION-5

Specifications are subject to change. Specifications contained within apply only to products meeting the latest FCC Certification Guidelines of 2/20/2013.

Installation Example



This is a CONSUMER device.

BEFORE USE, you MUST REGISTER THIS DEVICE with your wireless provider and have your provider's consent. Most wireless providers consent to the use of signal boosters. Some providers may not consent to the use of this device on their network. If you are unsure, contact your provider. You MUST operate this device with approved antennas and cables as specified by the manufacturer. Antennas MUST be installed at least 20 cm (8 inches) from any person. You MUST cease operating this device immediately if requested by the FCC or a licensed wireless service provider. WARNING: E911 location information may not be provided or may be inaccurate for calls served by using this device.