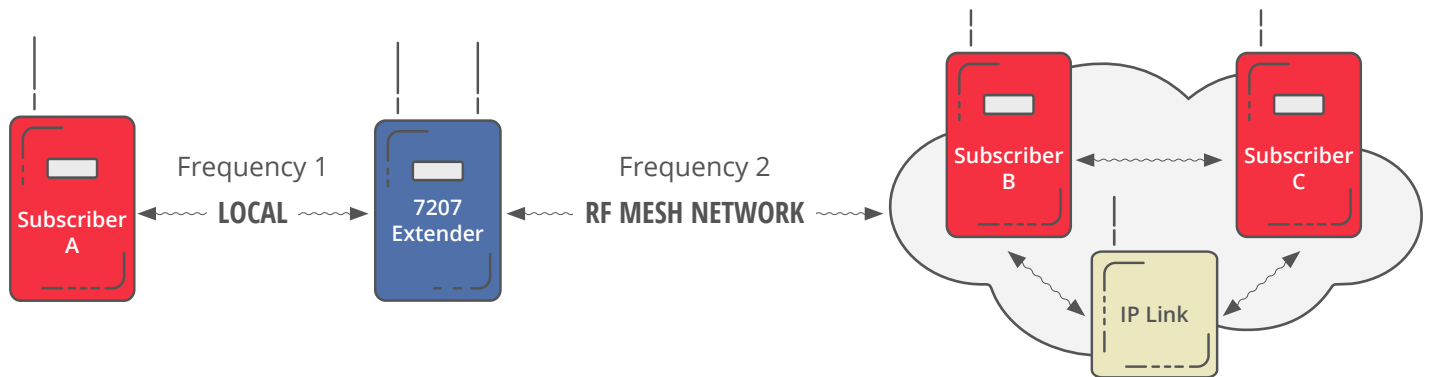# 7207 Extender

The AES 7207 Extender provides connectivity to an overall RF mesh network by wirelessly connecting a Subscriber (Subscriber A, below) to the Extender using an unlicensed FRS frequency (Frequency 1*). The extender will communicate all Subscriber signals to the network using it's licensed frequency (Frequency 2).

The 7207 Extender is ideal for those installations where it is challenging to get a signal out of a building. Today, these installations would entail remoting an antenna outside of the building with the need to run cables from the basement to the rooftop. With the Extender, there is no need to run cables, saving time and money with each installation.

Product Tip

For the Extender to work properly it should be placed in a location where it has two good paths (Netcon 5) and is in the same building as the Subscriber. An example of a typical installation would have the 7207 Extender installed near the roof to provide connectivity to both the overall mesh network and to the Subscriber located on a lower floor.

Frequency 1 will utilize 1 of 22 unlicensed FRS (Family Radio Service) channels in the 462 MHz to 467 MHz range.

Technical Specifications

DIMENSIONS
13 in H X 10 in W x 4.5 in D
(33 cm × 25.5 cm × 11.4 cm)

WEIGHT
9.7 lbs. (4 kg.), Without Battery

FREQUENCY
1 of 22 Unlicensed FRS (Family Radio Service) 462-467 MHz Range

ANTENNA
(2) 2.5 dBi Tamper Resistant Antennas Included

RESET BUTTON
Located on Main Circuit Board

POWER INPUT
16 VAC

BACKUP BATTERY
12 V 7.5 AH

CURRENT CONSUMPTION
- 7207 – Standby w/o Backup Battery: 210 mA (940 Transmitting)
- 7207 – Standby w/ Charged Backup Battery: 230 mA (960 Transmitting)
- 7207 – Standby + Charging Backup Battery: 890 mA (1.64 A Transmitting – Maximum)

INTERTEK LISTING
Tested to UL 864, *Control Units and Accessories for Fire Alarm Systems*

OPERATING TEMPERATURE
32 to 120°F (0 to 49°C)

STORAGE TEMPERATURE
14 to 140°F (-10 to 60°C)

RELATIVE HUMIDITY
0 to 93%, Non-condensing

POWER OUTPUT
2 or 5 Watts

ENCLOSURE MATERIAL
Metal

FINISH COLOR
Navy Blue

VISUAL INDICATORS
Front Panel LCD (2 x 20 Alphanumeric Character Backlit Display)
- Menu/ Silence Button
- Power and Trouble LEDs
On Main Board
- Tx, Rx

ANNUNCIATOR
Integrated Local Annunciator

For more information, go to **aes-corp.com** or call **(800) 237-6387** or contact us at **sales@aes-corp.com**.