

7707 Fire Subscribers

**IntelliNet 2.0**

## Introducing a Newer, Smarter Alarm Communications Platform

### New Feature Highlights

- Leverages state of the art technology
- Applies advanced security protection
- Offers flexible power and configuration options
- Engineered for backward compatibility with legacy systems
- Enables future ready capabilities
- Provides instant subscriber status through front panel with Power and Trouble LEDs, a backlit LCD display, and Menu/Silence button
- Improves functionality with an adaptive Graphic User Interface (GUI) for programming via smartphones, tablet and PCs
- Plus many more...



### Key Benefits that Make 2.0 the Best Alarm Monitoring Solution Ever

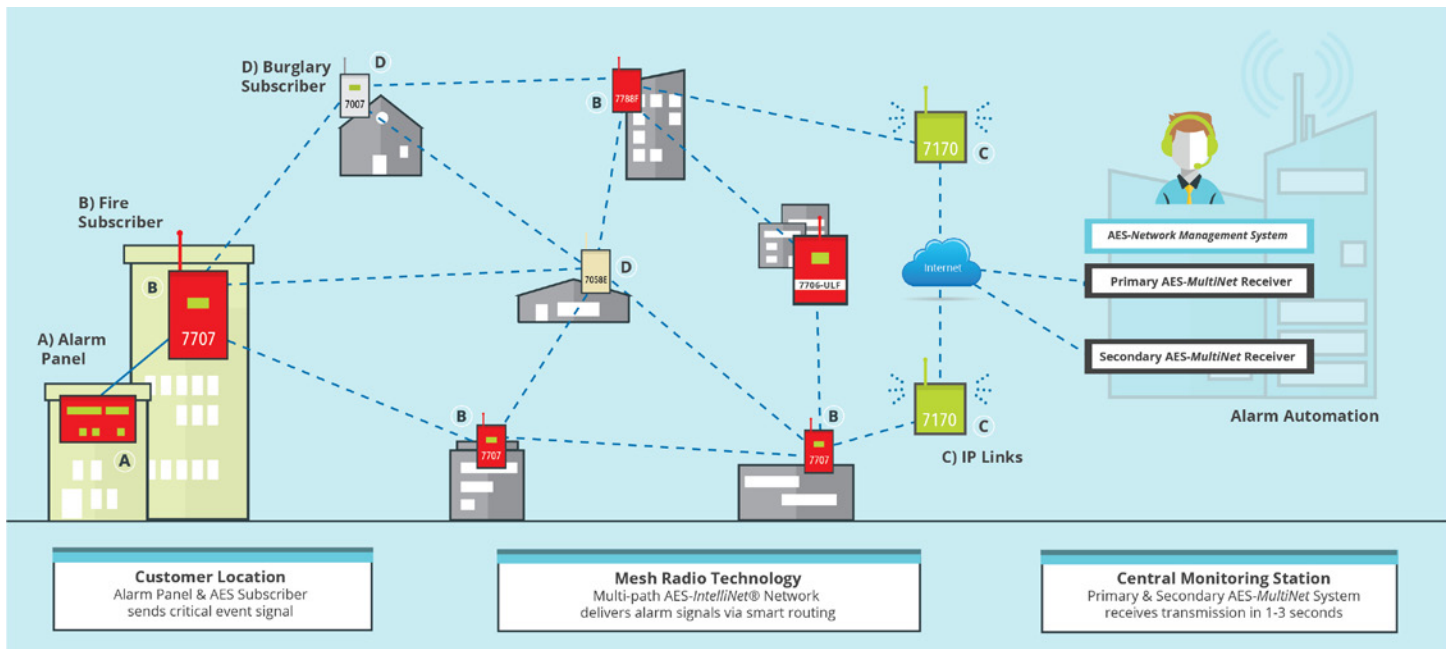
- Built upon the solid foundation of AES-IntelliNet patented mesh radio technology for use in private licensed wireless networks
- Protects subscriber units against unauthorized access and rogue activity with a password protected Dealer Code
- Makes programming and streamlined troubleshooting easy with user friendly interface
- Adds integrated supervision of AES-IntelliPro full data module
- Provides versatile power options:
  - (1) Direct from the Fire Alarm Control Panel (FACP) without requiring an electrician onsite and without Subscriber backup battery
  - (2) Directly from the FACP with Subscriber backup battery; or
  - (3) Traditional installation with plug in Class 2 low power transformer
- Allows for enhancement upgrades and an expanded number of new features to be added easily with highly flexible and scalable alarm communications infrastructure
- Rigorously tested to the highest industry standards and future ready to meet emerging NFPA code and UL standards

# Enhanced Wireless Fire Alarm Monitoring

Powered by AES enhanced mesh radio technology, *IntelliNet* 2.0 7707 Fire Subscribers are next generation universal wireless communicators that provide advanced security protection for any new or existing alarm monitoring network. The AES Model 7707 is ideal for commercial fire applications. With the AES-*IntelliPro* full data module option, they are the ideal drop-in replacement for Plain Old Telephone Service (POTS) lines.

The red metal enclosure comes with a key lock and front panel LCD backlit display with intuitive view that provides an instant visual of the subscriber status. The user friendly GUI makes it easy to program AES subscriber units via a smartphone, laptop, tablet, or integrated Universal Serial Bus (USB)—without the need for special cables or having to use a handheld programmer. Additional knockouts make it easier to mount for faster installation.

## *IntelliNet* 2.0 Private Wireless Mesh Radio Network



The *IntelliNet* 2.0 Fire Subscriber has an 8 Zone modular design for expansion with normal and reverse polarity, POTS and DACT interfaces with an option for the 7794A AES-*IntelliPro* full data module add-on accessory board. AES subscribers' intelligent software automatically detects new hardware and devices to reduce installation time.

An AES certified WiFi accessory allows seamless wireless connectivity for configuration and programming. A laptop, Ethernet cable, or a Wi-Fi USB dongle is required for *IntelliNet* 2.0 programming, handheld programmers will not work with 2.0 units. The forward compatible design allows for feature add-ons, engineered to adapt seamlessly with future software upgrades as technology advances. *IntelliNet* 2.0 allows configuration cloning for faster installation time.

The AES 7707 was designed with quick configuration and installation in mind to make it easier for field technicians to get in, out, and on to the next install.

Visit our Fire Marshal Resources web page for official NFPA and UL Listings:

<http://aes-corp.com/products/fire/fire-marshall-resources/>

<b>IntelliNet 2.0 Fire Subscribers</b>	
<b>2.0 PREMIUM (UL &amp; ULC Listed, Available Now!)</b>	
7707P-88	<i>IntelliNet 2.0 Fire Subscriber, 8 Zone, 8 Supervised Zones, with integrated onboard Local Annunciator, Red Enclosure</i>
7707P-88-ULP	<i>IntelliNet 2.0 Fire Subscriber, 8 Zone, 8 Supervised Zones with 7794A AES-IntelliPro and integrated onboard Local Annunciator, Red Enclosure</i>
7707P-44	<i>IntelliNet 2.0 Fire Subscriber, 4 Zone, 4 Supervised Zones, with integrated onboard Local Annunciator, Red Enclosure</i>
7707P-44-ULP	<i>IntelliNet 2.0 Fire Subscriber, 4 Zone, 4 Supervised Zones with 7794A AES-IntelliPro and integrated onboard Local Annunciator, Red Enclosure</i>
<b>2.0 FEATURE ADD (Pending UL Review)</b>	
7707P-88-M	<i>IntelliNet 2.0 Fire Subscriber, 8 Zone with Multiple Communication Technologies (MCT), Red Enclosure</i>
7707P-88-ULP-M	<i>IntelliNet 2.0 Fire Subscriber, 8 Zone with 7794A AES-IntelliPro, and integrated onboard Local Annunciator plus MCT, Red Enclosure</i>
7707P-44-M	<i>IntelliNet 2.0 Fire Subscriber, 4 Zone with Multiple Communication Technologies (MCT), Red Enclosure</i>
7707P-44-ULP-M	<i>IntelliNet 2.0 Fire Subscriber, 4 Zone with 7794A AES-IntelliPro, and integrated onboard Local Annunciator plus MCT, Red Enclosure</i>
7707M-UPG	<i>IntelliNet 2.0 Fire MCT Software Upgrade</i>
<b>2.0 ACCESSORIES</b>	
7794A	Standalone AES-IntelliPro Fire full data module add-on accessory board with firmware for new <i>IntelliNet 2.0</i> units only, cannot be used in legacy units
77-WiFi	AES certified WiFi adapter
<b>Legacy Fire Subscribers</b>	
7706-ULF	Integrated Fire Monitoring System, Red Enclosure
7788F-ULP-P	Legacy Fire Subscriber, 8 Zone with 7795 AES-IntelliPro (7794 full data module, 7762 hardware supervisory module, and 7740 Local Annunciator), Red Enclosure
7788F-ULP	Legacy Fire Subscriber, 8 Zone, 8 Supervised Zones with 7794 AES-IntelliPro, Red Enclosure
7788F	Legacy Fire Subscriber, 8 Zone, 8 Supervised Zones, Red Enclosure
7744F-ULP-P	Legacy Fire Subscriber, 4 Zone with 7795 AES-IntelliPro (7794 full data module, 7762 hardware supervisory module, and 7740 Local Annunciator), Red Enclosure
7744F-ULP	Legacy Fire Subscriber, 4x4 Zone, 4 Supervised Zones with 7794 AES-IntelliPro, Red Enclosure
7744F	Legacy Fire Subscriber, 4x4 Zone, 4 Reversing Polarity, 4 Supervised Zones, Red Enclosure
<b>LEGACY ACCESSORIES</b>	
7794	Standalone AES-IntelliPro Fire full data module add-on accessory board for legacy units only, please see 7794A above for <i>IntelliNet 2.0</i> version

## DIMENSIONS

13"H x 8.5"W x 4.5"D  
(33cmH x 21.5cmW x 11.4cmD)

## WEIGHT

5.8 lbs (2.6 kilograms)  
excluding battery  
13 lbs (5.9 kilograms) with  
10 Ah battery

## RADIO FREQUENCY

Standard Frequency Range:  
450-470 MHz  
Contact AES for other UHF  
and VHF frequencies

## ANTENNA

2.5 dB tamper resistant antenna  
included, mounts on enclosure  
Optional remote mounting  
antenna available

## POWER INPUT

### AC SOURCES

Class 2 transformer  
40VA, 120V AC primary  
ELK ELK-TRG1640, MG Electronic  
Sales MGT1640, and AES 1640 are  
UL Listed for use (not included)  
1.75A, maximum input  
current value

16.5V AC, nominal output value

### DC SOURCES

External regulated power supply,  
24V DC, rechargeable backup  
battery in Subscriber  
1.3A, input current  
Regulated power supply from FACP  
AUX power, 24V DC, UL Listed FACP  
with backup battery in FACP  
1.3A, input current

## BACKUP BATTERY

10-12 Ah, UL recognized lead acid  
gel cell, size based on subscriber  
configuration

## ALARM SIGNAL INPUTS/ZONES

- 8 individually programmable  
E.O.L. type zone inputs
- 4+4: 4 reverse polarity input and  
4 individually programmable  
E.O.L. type zone inputs
- Optional 7794A AES-*IntelliPro* for  
full data via Contact ID, Pulse,  
Modem IIe and Modem IIIa2

## UL LISTINGS

UL 864 10<sup>th</sup> Edition  
Standard for Control Units and  
Accessories for Fire Alarm Systems  
ULC S559-04 1<sup>st</sup> Edition  
Equipment for Fire Signal  
Receiving Centres and Systems

## TROUBLE OUTPUT—ACK DELAY/ANTENNA CUT

Form C relay, fail secure, rated 24V  
DC 1A resistive

## RESET BUTTON

Located on main circuit board

## 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

## RECHARGE CAPABILITY

Will charge 12V battery size  
from 10-12 Ah

## PORTS

Ethernet for configuration and  
communication  
USB access for  
software upgrade

## REMOTE ANNUNCIATOR

AES Model 7740  
Remote Annunciator, supervised

## COMPATIBLE RECEIVERS

7705i AES-MultiNet Receiver

## CONFIGURATION INTERFACE

Web browser capable device  
accessible via smartphone, tablet,  
laptop, or PC

## CURRENT CONSUMPTION

Standby with charged backup  
battery: 175 mA  
Standby + charging backup battery:  
200 mA  
Transmitting: 1.2 A (typical  
transmission is 1/3 second length)

## POWER OUTPUT

2 or 5 Watts  
Factory set

## ENCLOSURE MATERIAL

Steel with paint finish

## FINISH COLOR

Red

## VISUAL INDICATORS

Front panel LCD  
(2 x 20 alphanumeric character  
backlit display)  
Power and Trouble LEDs  
(ALM Trouble Tx, Rx, WA)

## Contact Us

For pricing and availability or to learn more about *IntelliNet 2.0*, please call your local  
AES Sales Representative at **(800) 237-6387** or email [sales@aes-corp.com](mailto:sales@aes-corp.com).



[www.aes-corp.com](http://www.aes-corp.com)

AES Corporation | 285 Newbury Street | Peabody, MA 01960 United States

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