

No More Boundaries

7705i AES-MultiNet

AES IntelliNet
CORPORATION | For Alarm Monitoring

UL-Approved Advanced AES-IntelliNet Wireless-to-Internet Receiver System



Link Multiple AES-IntelliNet Networks and Increase Capacity

The 7705i AES-MultiNet system is a UL approved advanced wireless-to-Internet receiver designed to support multiple AES-IntelliNet wireless mesh networks and connect them to the central station via the Internet. AES-IntelliNet users that operate large or geographically dispersed AES radio networks can link them together via the Internet. The addition of the 7705i also allows customers to increase the capacity of their AES-IntelliNet networks by offloading portions of their radio network traffic to the central station via the Internet.

Advanced Wireless-to-Internet Communications

The 7705i MultiNet System is a high-powered Linux based server integrated with an AES-IntelliNet receiver in a rugged rack mounted case. Combined with the 7170 Remote Receiver, the 7705i MultiNet allows geographically distributed offices to set up and manage multiple AES-IntelliNet wireless mesh networks and transmit the data to a central location anywhere via the Internet.

The key AES-MultiNet system components are:

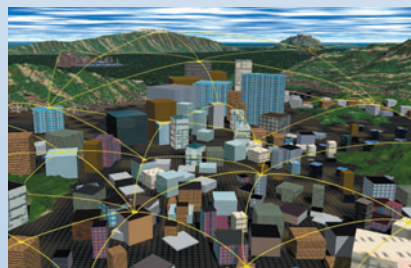
- **7705i Receiver** – A rugged rack mounted receiver that contains the AES receiver integrated with the Linux server.
- **7170 Remote Transceiver** – The 7170 collects AES-IntelliNet wireless signals and converts them to Internet packets for transmission to the 7705i receiver.
- **Logging Printer** – An 80 column printer to provide hardcopy backup of all alarm communications.

- Connect Multiple AES-IntelliNet Radio Networks to Central Monitoring Facilities
- Increase Capacity of Existing AES-IntelliNet Networks
- Control Communications Network from Central Station
- Wireless Alarm Communications Network Replaces Telephone Lines for Fire and Burglary Monitoring
- UL Listed and NFPA-72 Compliant

UL Listings

UL 827	UL 681
UL 2050	UL 864 Rev 9
UL 1610	UL 365
UL 609	

NFPA-72 Chapter 9



Wireless mesh networking is an innovative technology adopted by many industries with applications that need to communicate data over a large geographic area with a high level of reliability at a low total cost of ownership.

The advanced design and 2-way communications capability provides easy installation, expansion, and management when compared to alternative communication methods, both wired and wireless.

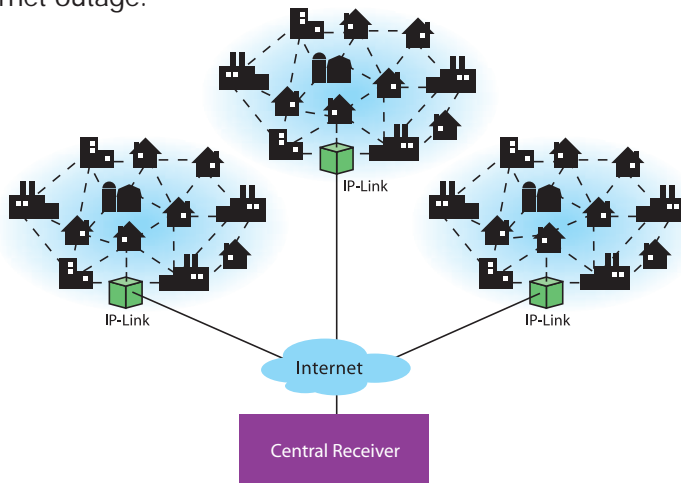
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Multi-region fire and security alarm monitoring companies can now offer the benefits of *AES-IntelliNet* 2-way wireless alarm communications to customers in regions that are separated by too great a distance to solely use radio transmission. Large regional users of *AES-IntelliNet* networks can use the AES-MultiNet system to expand their system capacity, increase coverage, and increase recurring revenue.

MultiNet Offers Many Advanced Features

The 7705i is a dual redundant design that is UL listed and NFPA-72 compliant. The 7705i offers a 4 x 20 character LCD and audible warnings to provide continuous operation in the event of the loss of alarm automation software. History may be recorded directly to disk or output to a standard printer included with system. Integrated software allows secure system access and control via a remote PC and provides for modem and telephone line back up in case of Internet outage.



AES-IntelliNet™ is the industry leader in delivering high quality wireless mesh networks to the fire and security industry in commercial, corporate, government, and educational applications with its broad line of products and advanced network management tools. Users of *AES-IntelliNet* networks have gained significant revenue, communications, and cost advantages while meeting the high standards of reliability required for the fire and security industry. *AES-IntelliNet* alarm monitoring systems are deployed at hundreds of thousands of locations in over 130 countries.



For more information

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MultiNet System Features

- 128 Bit Encryption
- UL Listed and NFPA 72 Compliant
- High Powered Linux Operating System
- Integrated *AES-IntelliNet* Receiver
- Complete Dual Redundant System
- Network Management Software
- Redundant Communications Link to Central Station
- Compatible with all Major Alarm Panels and Automation Software

Technical Specifications

Standard Frequency Ranges

UHF 450-480 MHz, VHF 150-174 MHz (Others Available)

Standard Output Power

2 Watts (Optional 5 Watts)

Operating Voltage

110/220 VAC, 50/60 Hz

Operating Temperature Range

0° to 50° C (32° to 122° F)

Storage Temperature Range

-10° to 60° C (14° to 140° F)

Physical Dimensions

19"(48 cm) W X 3.5"(8.8 cm) H
(2U) X 12.24"(31.1 cm), 13.25"
(33.7 cm) including rack handles

Approximate Weight

8.2 lbs, 3.7 Kg

Configurations

7705i - UL

7705i - Prop.

(Includes Monitor and Keyboard)

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