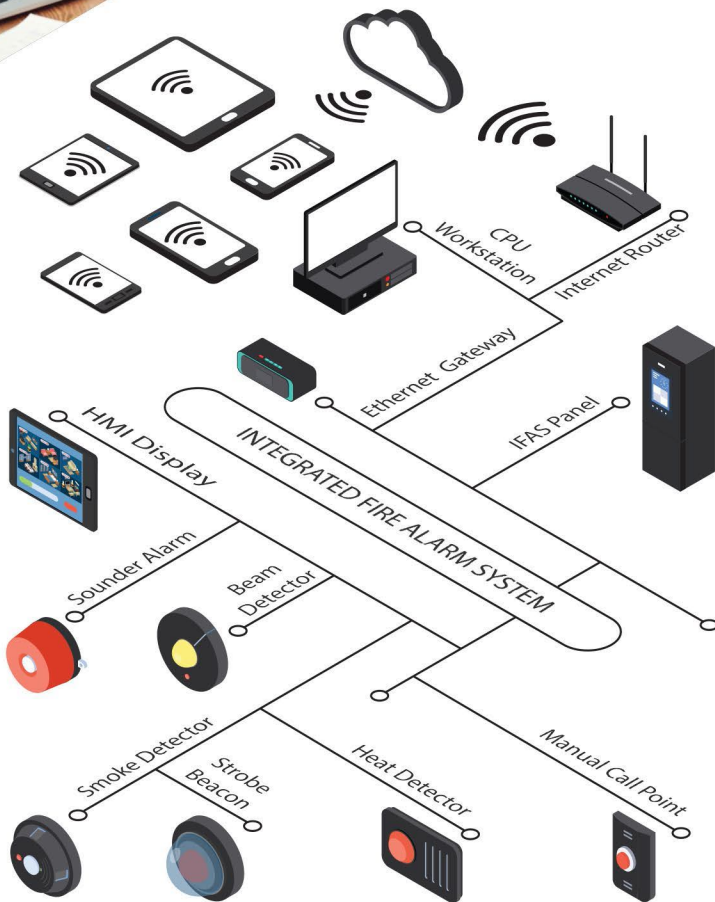




## Internet of Things And Cloud Computing Application for Integrated Fire Alarm System



The novelty of system is real-time monitoring with many technologies combination to identify catastrophic event, historian and early notification ability via cloud computing



Addressable, IP-based devices embedded in networked fire alarm system infrastructure



The proposed sensors presents better accuracy fire detection rate from 95 to 98 percent

### General specification:

Up to 1000 addressable devices points, 127 air aspiration systems interface points, with up to 2000 points of annunciation  
 Four programmable output sounder circuits (monitored), with fire, fault and auxiliary programmable relays  
 Integrated USB port for PC programming configuration and Modbus interface module via RS232/RS485 port for peripheral connection  
 Multi-sensor combined optical smoke sensor, beam detector, photoelectric, heat thermal, and infra-red detector with isolator  
 Battery capacity 2 x 12V / 7Ah intelligent control panel  
 Early warning Aspirating Smoke Detection (ASD) system, up to 2000 m2 coverage, up to 4 inlet pipes  
 Graphical User Interface (pictorial and textual) alarm management  
 remote monitoring workstation via Interweb

## Cost-effective, Flexible, and Scalable Fire Alarm System: Life and Safety Protection Are So Much Better With The Help of IoT Linked Devices

The IoT-based fire safety alarm systems will provide a new peace of mind: These upgraded devices will quietly monitor and secure themselves, and only trigger alarms or notifications when service event is needed. Scalable and modular networked architecture of digital fire alarm system will be connected to the internet via nodes, hubs, and gateways in a secure manner. With this kind of integration, the system can communicate with a cloud application server via IP protocol to send real-time data: device status, battery condition, event history, etc.