

# 4ipnet®



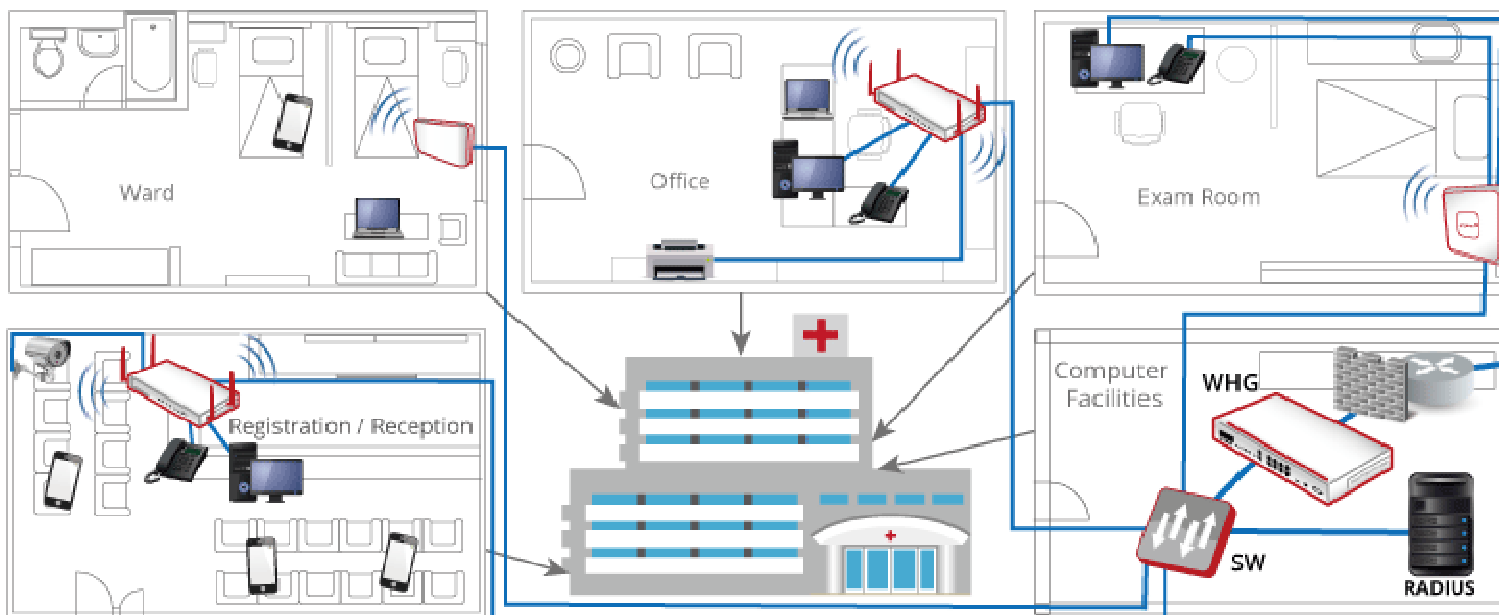
Enable Smooth Life-Critical  
Applications with  
Secure & Reliable WLAN

***“4ipnet healthcare solution brings mobility to medical staff and visitor, keeps Wi-Fi networks secure and provides an ideal environment for mission-critical communications.”***

In Hospitals it is common to see picture archiving and communication systems (PACS), numerous mobile medical carts and nursing stations operating simultaneously, which has resulted in the increasing demand for Wi-Fi connectivity. Since these equipment or devices perform mission-critical applications such as real time monitoring and data transmission to present accurate information, it is fundamental to ensure the robustness of Wi-Fi services.

In addition physicians and nurses use tablets a lot to check patient's information during rounds, bringing the BYOD trend to the healthcare industry. Moreover, visitors also need guest Wi-Fi access while waiting in hospital lobbies or outside of operation rooms. Therefore, healthcare institutes not only need to provide Wi-Fi, but also segregate users to maintain network security and performance. Therefore, a managed Wi-Fi solution is best for healthcare industry.

## **DEPLOYMENT SCENARIO**



## **COMMON ISSUES OF HEALTHCARE WI-FI**

**Problems often encountered are:**

- Disconnection of Wi-Fi affects the quality of medical services.
- Physicians and nurses need to check patient's information during rounds.
- Lack of sufficient bandwidth to support PACS, HER and other medical systems.
- Confidential patient data transmitted over Wi-Fi needs to be secured.

## **4IPNET's WIRELESS LAN SOLUTION FOR HEALTHCARE**

*"4ipnet healthcare solution brings mobility to medical staff and visitor, keeps Wi-Fi networks secure and provides an ideal environment for mission-critical communications."*

### **4ipnet deliver a comprehensive solution with:**

- Redundancy and uplink failover ensures reliable operation
- Wi-Fi and seamless roaming on every floor supports mobile medical carts and nursing stations to present timely information.
- Traffic remarking guarantees the quality of mission-critical systems even when network utilization is high.
- AES data encryption secures data transmission; layer 2 firewall ensures that unnecessary packets do not reach wireless medium

By adopting 4ipnt's wireless solution, hospitals would be able to provide reliable internet access to the members of its community. The combination of a series of advanced features ensure that physicians, hospital staff as well as visitors can use the wireless networks without interruptions.