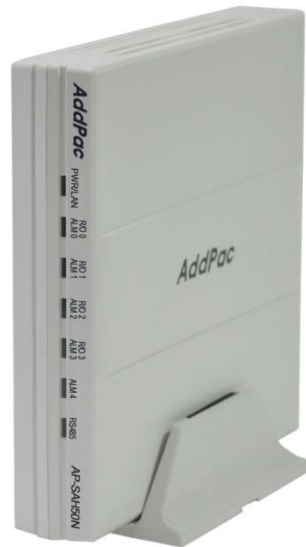




AP-SAH50N Smart Hub for Legacy Wired Sensors

High Performance Smart Hub Solution for Legacy Wired Sensors



Wired Sensor Interworking, Cable Connector

AddPac

AddPac Technology

Sales and Marketing

www.addpac.com

Contents

- Product Overview
- Hardware Specification
- Interworking Wired Sensor Lists
- Wiring Interconnection Diagram (example)
- Application Service

Product Overview

AP-SAH50N Smart Hub for Legacy Wired Sensors

- Advanced Smart Hub Solution for Enterprise
- Legacy Wired Sensor Interface Support
- RS485, Alarm Input (5Port), Relay Out(4Port), Beacon, Speaker Interface
- Smart IP Routing Service Features for Sensor Network
- Smart Wall Pad Interworking Service Features
- Smart Hub Interworking Support for Third Party
- High Performance RISC Programmable Architecture
- One 10/100Mbps Fast Ethernet
- High Performance LAN-to-Wired Legacy Sensor Routing Capability
- Powerful Network Protocols (PPPoE, DHCP, Static Routing, etc)
- Firmware Upgradeable Architecture
- Smart Web based Management
- Light and Compact Design with External Power Supply

Hardware Specification

AP-SAH50N Smart Hub for Legacy Wired Sensors

RISC
CPU

- RISC Microprocessor Computing Power
- Wired Sensor Interface
 - 5-Port Alarm Input
 - 4-Port Relay Output
 - RS485 Interface
- Speaker Port, Beacon Port
- Network Interface
 - One(1) 10/100Mbps Fast Ethernet (RJ45)
- LAN LED, Sensor Port LED, etc
- External Power Supply

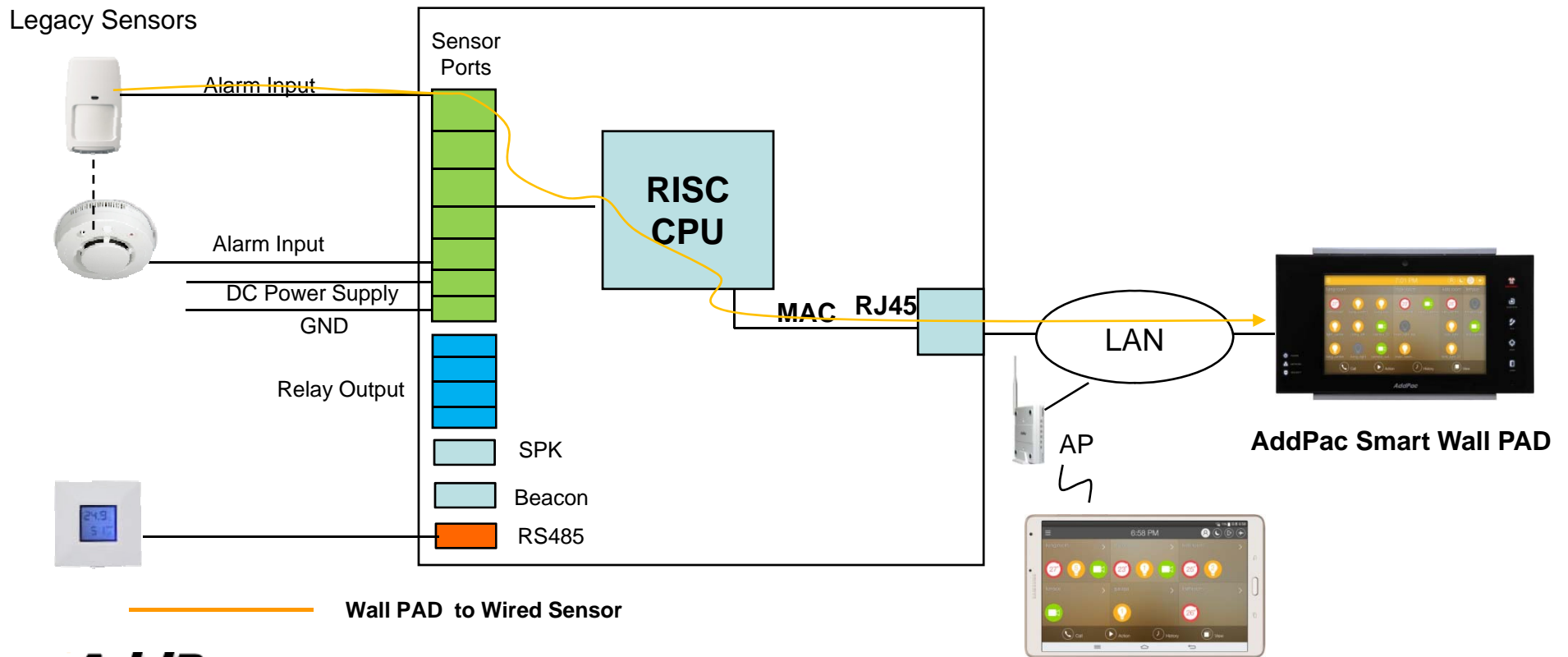
Hardware Specification

AP-SAH50N Smart Hub for Legacy Wired Sensors



Smart Hub Service Diagram

AP-SAH50N Smart Hub Internal H/W Block Diagram



Hardware Specification

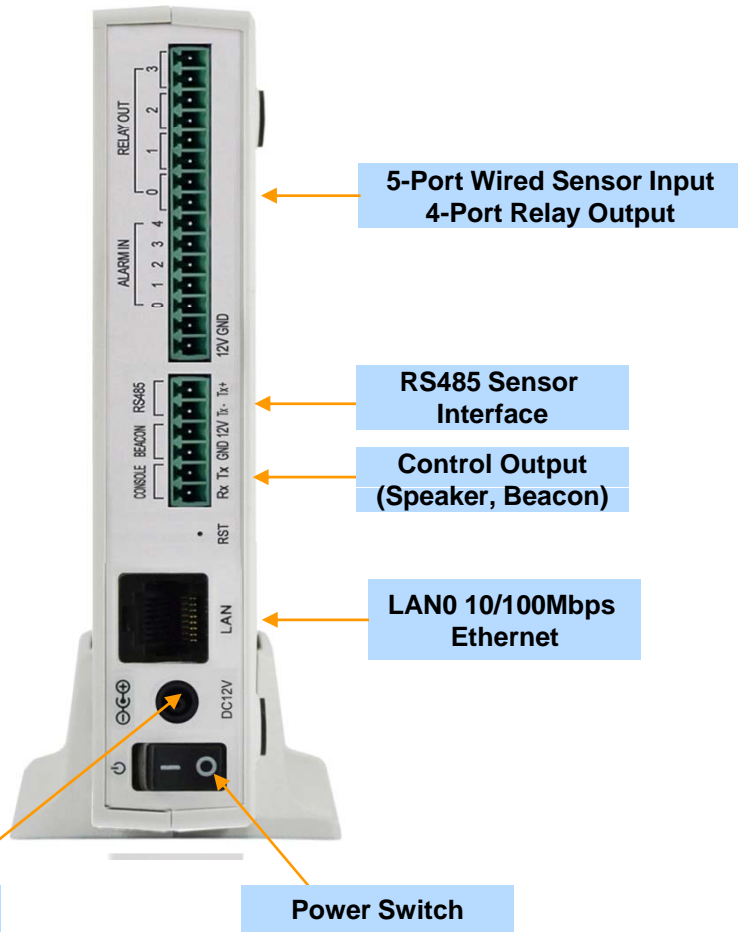
AP-SAH50N Smart Hub for Legacy Wired Sensors

AP-SAH50N Smart Hub	Basic Specifications
Sensor Interface (Wired Sensor)	5-Port Wired Sensor Input Interface
	4-Port Relay Output Interface
	1-Port RS485 Interface
Control Interface	Speaker, Beacon Control Interface
Ethernet Interface	1-Port 10/100Mbps Ethernet Interface(1 x RJ45)
Flash Memory	4Mbyte High-speed Flash Memory
Base Memory	32Mbyte High-speed SDRAM
Power Requirement	Power Supply Adaptor / VAC 110~220V, 50/60Hz, 12V, 2A
Operating Temperature	0°C ~ 45°C (32 °F ~ 122°F)
Storage Temperature	-40°C ~ 85°C (-40°C ~ 185°F)
Relative Humidity	5% ~ 95% (Non-condensing)
Dimension	142mm x 142mm x 28mm (W x D x H)
Weight (Kg)	0.42Kg

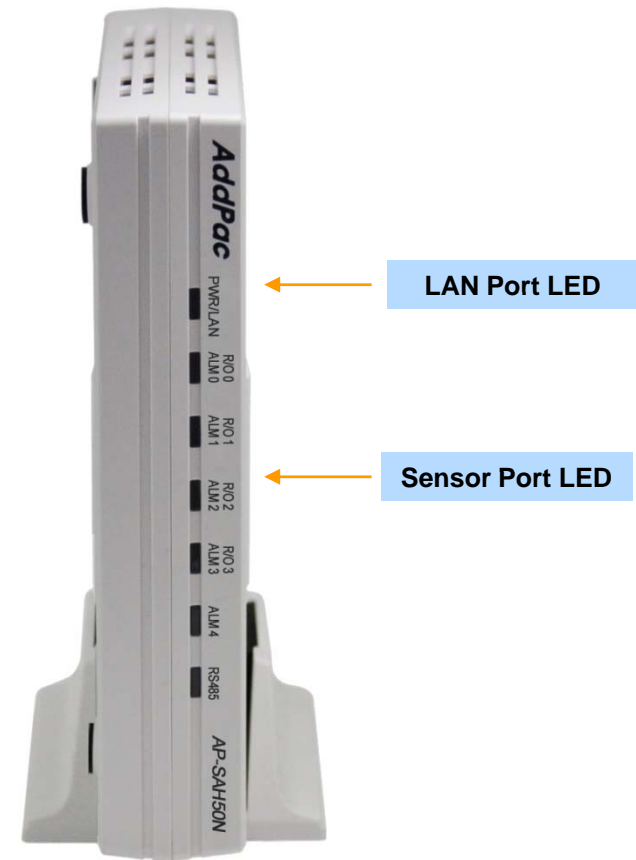
Hardware Specification

AP-SAH50N Smart Hub for Legacy Wired Sensors

Back Side



Front Side





Interworking Wired Sensor Lists

KMT Wired Sensors for Intrusion Detection

<http://isaso.com/home/>

KMT 2beam 15M IR Sensor

MPB-30D2 / 30D4



KMT 2beam 60M IR Sensor

PB-30 / 60 / 100D



KMT PIR Sensor
(Passive Infrared)

PA-4610P



JeuTech Magnetic Wired Sensors for Intrusion Detection

http://jeutech.com/product/list.html?cate_no=48



SASO 자석감지기 DS-30A(NC접점)



SASO 자석감지기 DS-25B(NO접점)

BUILDONE EM (ElectroMagnetic) Lock, etc

BuildOne EM Lock BO-EM280

http://build1.co.kr/product/detail.html?product_no=383&cate_no=56&display_group=1



EM Lock
EM Lock
EM Lock

BUILDONE
China
China

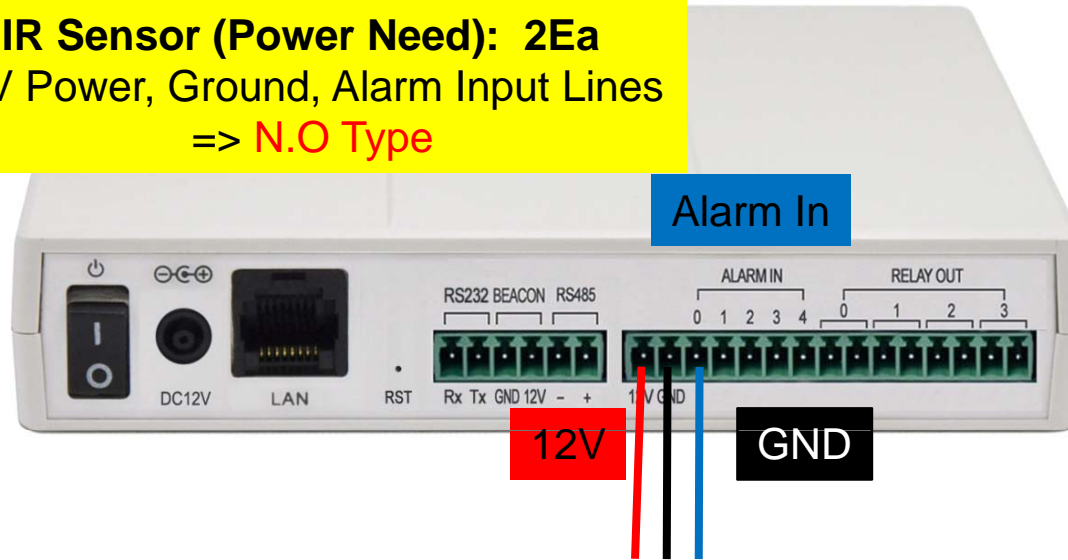
BO-EM280
ES-230
KG-180kg(BX44)



Wiring Interconnection Diagram (Example)

KMT IR Sensors Wiring (Power Type, Example)

IR Sensor (Power Need): 2Ea
12V Power, Ground, Alarm Input Lines
=> **N.O Type**

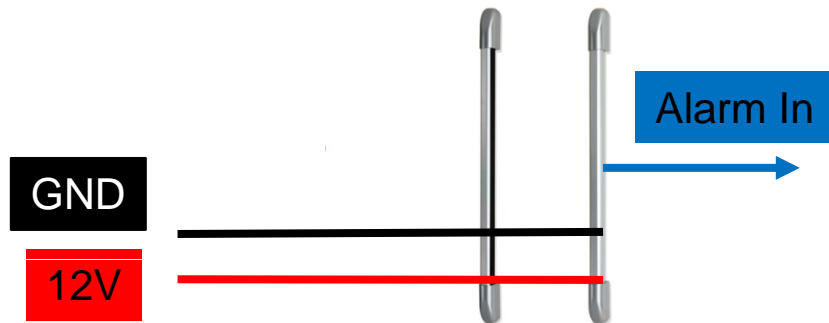


KMT 2beam 15M IR Sensor

KMT 2beam 60M IR Sensor

MPB-30D2 / 30D4

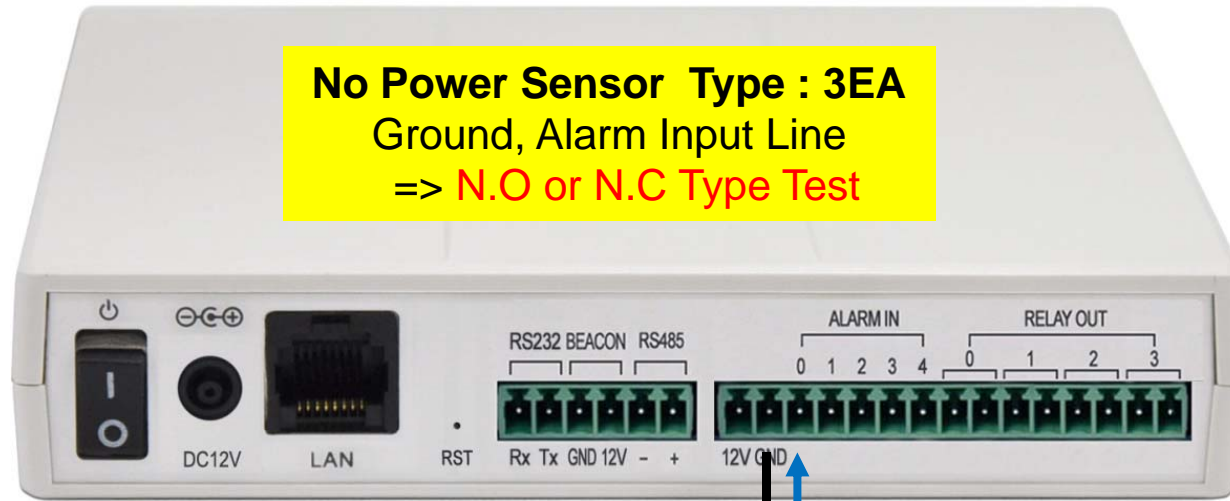
PB-30 / 60 / 100D



IR Sensor Transmitter and Receiver both needs 12V Power Supply.
Alarm generation is occurred in IR sensor receiver part.

PIR Sensors Wiring (No Power Type, Example)

No Power Sensor Type : 3EA
Ground, Alarm Input Line
=> **N.O or N.C Type Test**



GND

Alarm In



SASO 자석감지기 DS-30A(NC접점)



SASO 자석감지기 DS-25B(NO접점)

KMT PIR Sensor

PA-4610P



GND & Alarm Input Line 2 Pin Use

EM Lock Wiring (Power Control, Example)

EM Lock Power On/Off Test
SAH50N Relay Out Port On/Off Test
=> EM Lock Power Supply On/Off



Power Supply Adaptor

Power



EM Lock Wiring (Relay Port Control, Example)

EM Lock Relay Control Port On/Off Test
SAH50N Relay Out Port On/Off Test
=> EM Lock Relay Control Port On/Off



Power Supply Adaptor



Power
GND



EM Lock Relay Control Port is connected to AP-SAH50N Relay Output Port

Warning Light, Siren Test(Relay Port Control, Example)



AP-SAH50N Rear

Power Supply Adaptor

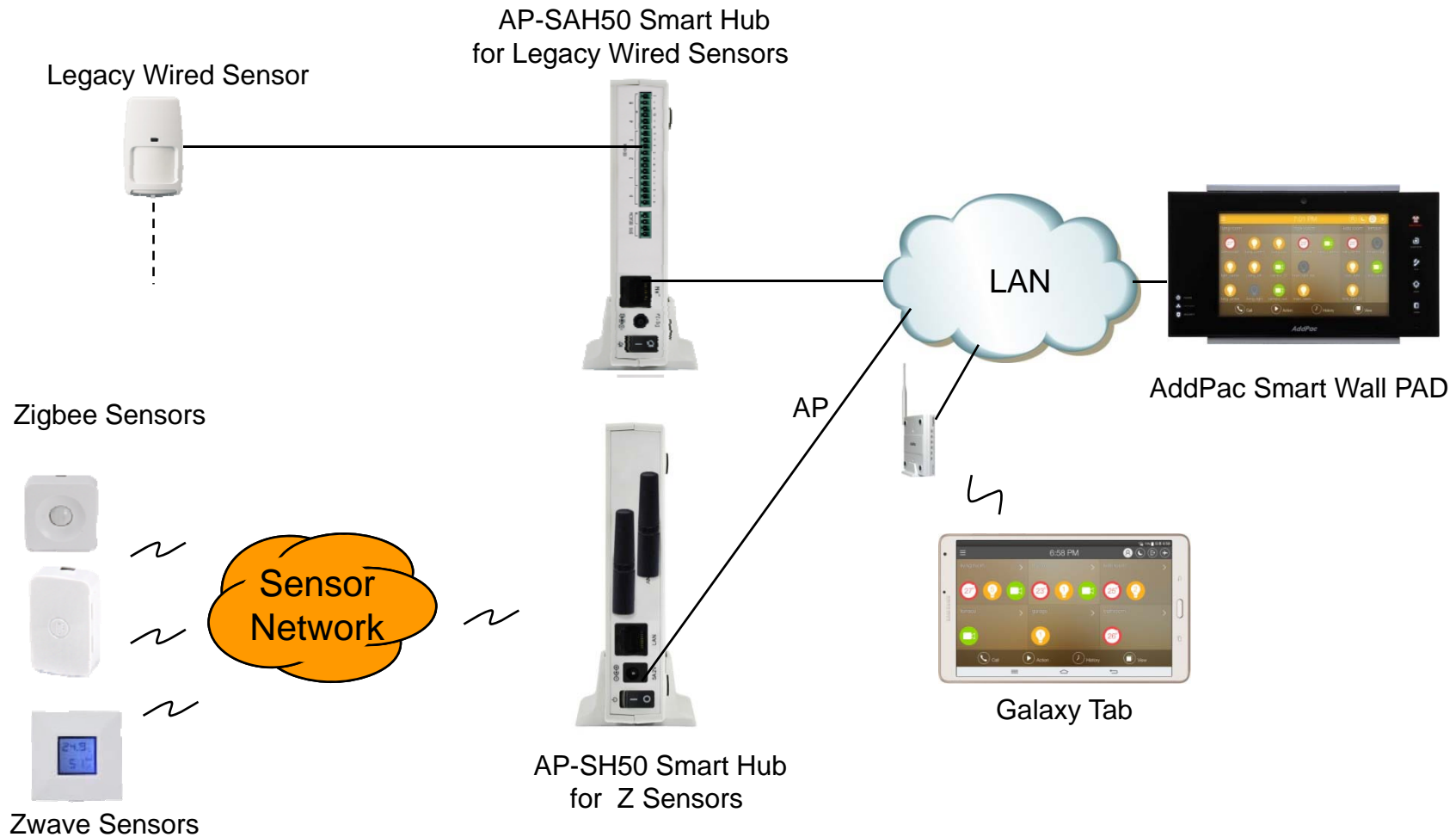




Application Service

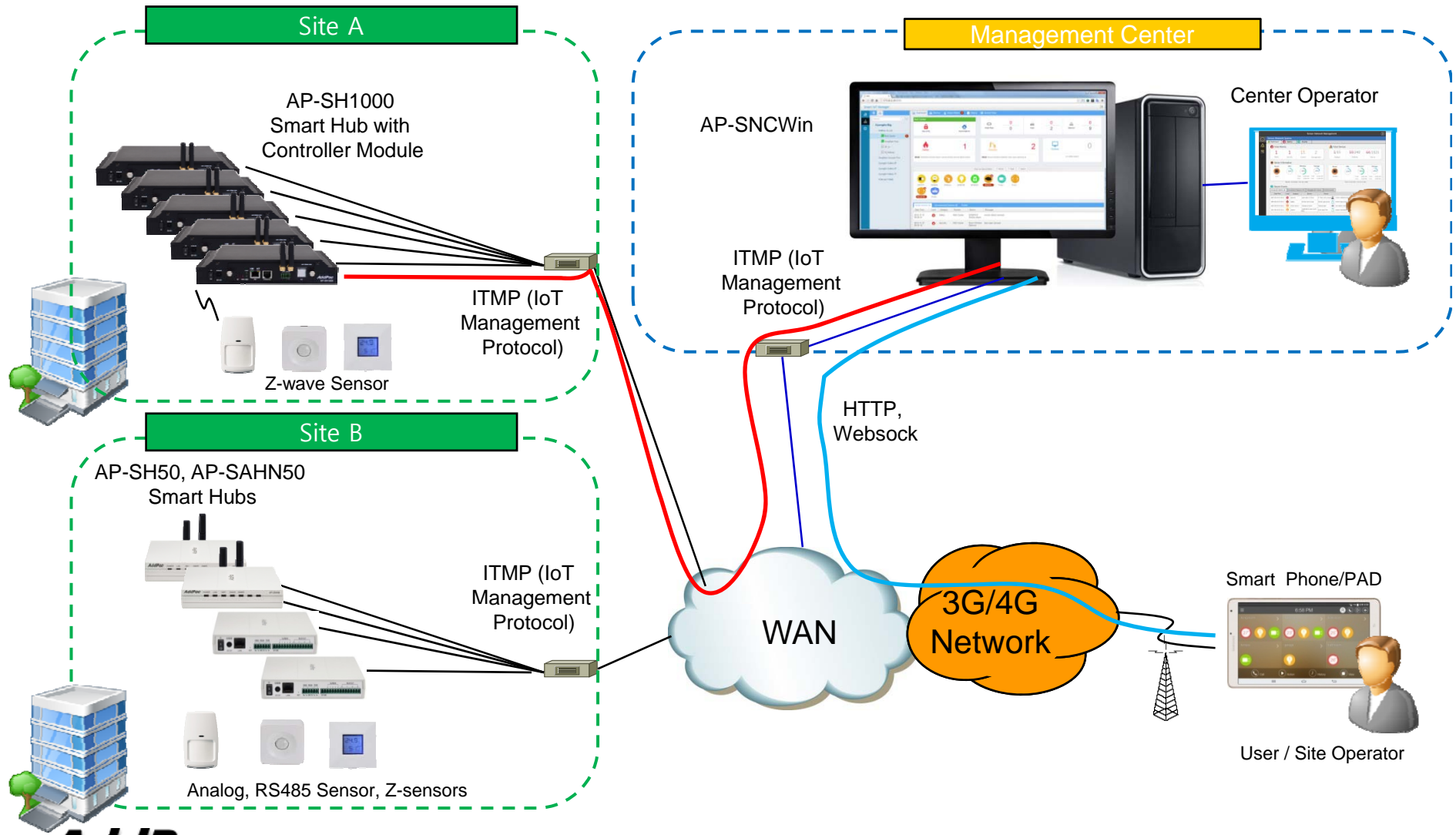
Standard Application

AP-SAH50N Smart Hub for Legacy Wired Sensors



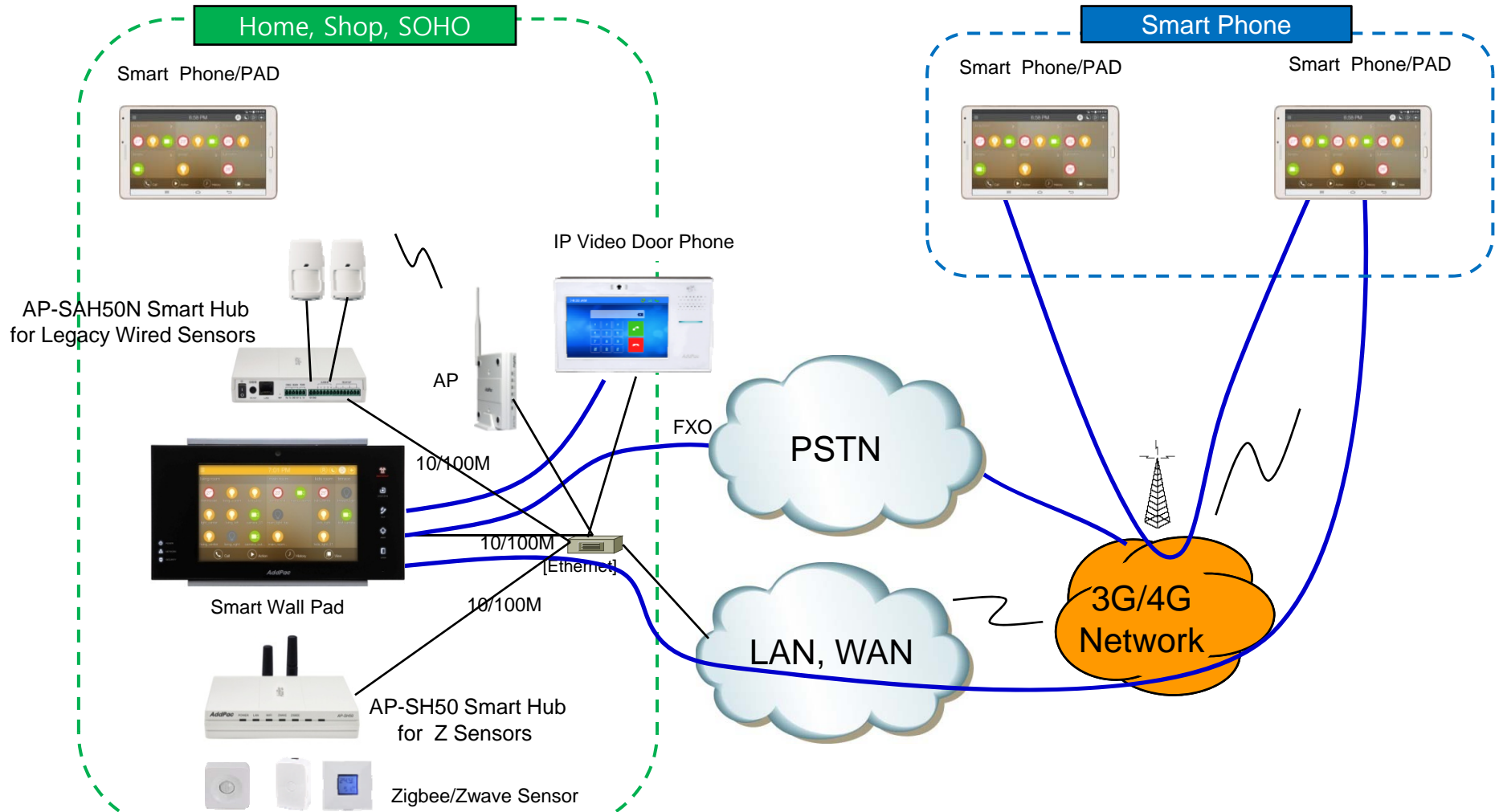
Standard Application

AP-SAH50N Smart Hub for Legacy Wired Sensors



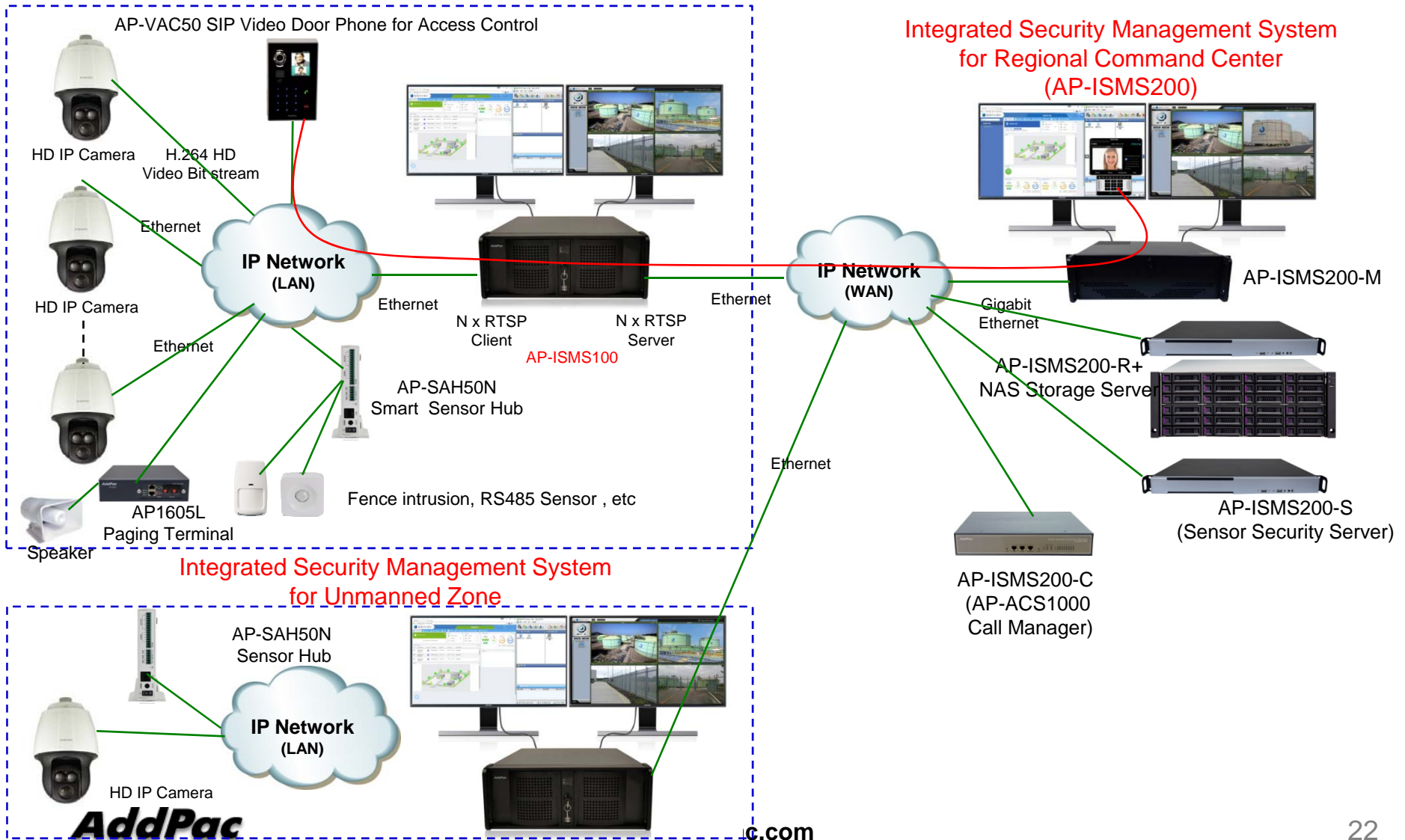
Standard Application

AP-SAH50 Smart Hub for Legacy Wired Sensors



Standard Application

AP-SH3000 Enterprise Smart Hub for Wired Sensor & Z sensors



Smart Hub Series

Thank you!

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