Enterprise Time Attendance SIP Door Phone Solution
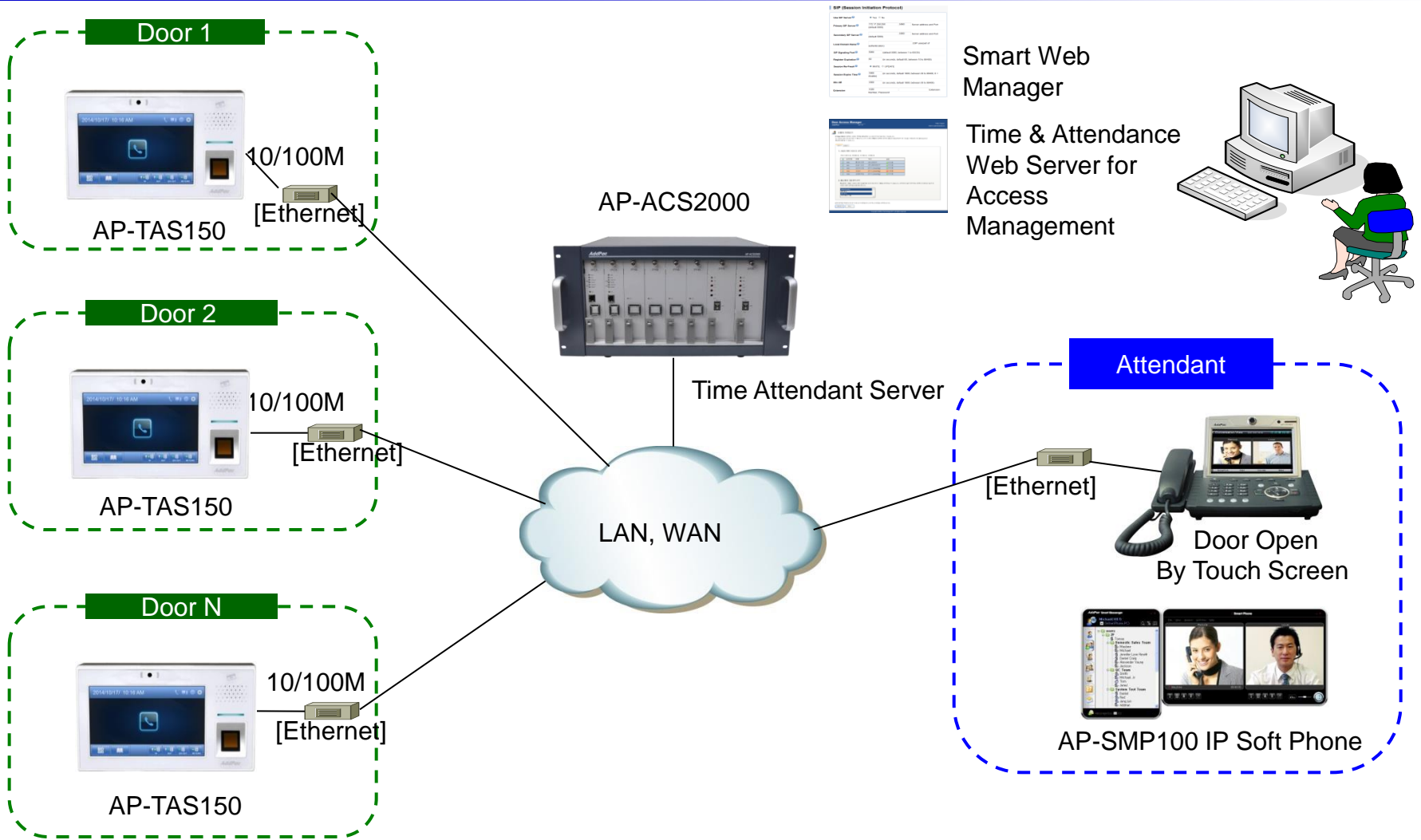

AddPac Technology

2014, Sales and Marketing

Contents

- Time Attendance + SIP Video Door Phone Service Diagram
- Time Attendance + SIP Video Door Phone Solution
  - AP-TAS150 (Fingerprint, RF card, SIP Video Call)
  - AP-TAS80 (RF card, SIP Video Call)
- Time Attendance Signal Call Flow Diagram
- Time Attendance Embedded Web Manager
- Backend Solution (other documents)
  - AP-ACS2000 Access Control Server
  - AddPac IP Video Phones
  - IP Soft Video Phones (Window, Android, etc)

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Time Attendance + SIP Video Door Phone Service Diagram

Door 1

AP-TAS150

10/100M
[Ethernet]

Door 2

AP-TAS150

10/100M
[Ethernet]

Door N

AP-TAS150

10/100M
[Ethernet]

Time Attendant Client

AP-ACS2000

Time Attendant Server

LAN, WAN

Smart Web Manager

Time & Attendance Web Server for Access Management

Attendant

[Ethernet]

Door Open
By Touch Screen

AP-SMP100 IP Soft Phone

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Time Attendance +
SIP Video Door Phones

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Time & Attendance
SIP Door Phone Comparison Table

Model	AP-TAS150	AP-TAS80
Service Features		
Time & Attendance	Support	Support
SIP Door Phone	SIP Video Door Phone	SIP Video Door Phone
Duplex (Voice)	Full Duplex	Full Duplex
Key Pad	One(1) Call Button	One(1) Call Button
LCD	5 inch LCD	3.5 inch LCD
RF Card	Support	Support
Fingerprint	Support	N/A
Camera Sensor	SD(VGA)	SD(VGA)
Video Codec	SD, H.264/MPEG4/H.263	SD, H.264/MPEG4/H.263
Voice Codec	G.711,G722(option)	G.711, G.722(option)
Signaling	SIP	SIP
MIC & Speaker Phone	Support	Support
LAN Port	1	1
PoE(Option)	Support	Support

Time Attendance
SIP Video Door Phone
AP-TAS150

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Main Features

AP-TAS150 Time Attendance SIP Video Door Phone

- Smart Time & Attendance IP Video Door Phone Solution
- High Performance SIP Video Door Phone Solution
- Video Camera, Touch Screen TFT Color LCD, Internal MIC & Speaker
- High Quality 5 Inch LCD, 800 x 480 Video Resolution
- Fingerprint Recognition Support
- RF Card Support
- SIP VoIP Signaling Stack Embedded
- High-performance Video/Voice Codec Support
  - H.264/MPEG4/H.263, G.711, etc
- One(1) 10/100Mbps Fast Ethernet
- PoE(Power over Ethernet) Support
- High Quality Speaker Phone Features
- Powerful Acoustic Echo Canceller Chip Embedded
- Powerful Network Protocols (PPPoE, DHCP, Static Routing, etc)
- Firmware Upgradeable Architecture
- Advanced Voice QoS Mechanism

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Hardware Specification

AP-TAS150 Time Attendance SIP Video Door Phone

- RISC+DSP Microprocessor Computing Power
- Audio and Voice Interface
  - Internal MIC
  - Internal Speaker
- Video Camera Interface
- TFT Color LCD Interface
  - 5 Inch LCD, 800 x 480 Video Resolution
- Network Interface
  - One(1) 10/100Mbps Fast Ethernet
- Fingerprint Recognition Interface
- RF Card Interface
- Alarm & Relay Out Interface (door open, etc)
- RS232/RS485 Interface
- Power Supply
  - Power over Ethernet (Option)
  - External Power Supply

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Hardware Specification

AP-TAS150 Time Attendance SIP Video Door Phone

- Acoustic Echo Canceller
  - Full-duplex operation during double-talk situations
  - One channel AEC, one channel LEC up to 256ms shared
  - Cancels echoes with up to 10dB echo return
  - Advanced noise reduction(up to 20dB)
- Speaker
  - Impedance : 8 +-15%ohm at 1kHz, 1.0 Vrms
  - Sound Pressure : 90 +- 3dB at 0.1W/10 CM
            at 800Hz, 1.0kHz, 1.2kHz, 1.5kHz
  - Resonance Level : 550Hz +- 20%Hz at Fo Hz, 1.0Vrms
  - Frequency Range : Fo Hz ~20kHz
  - Input Power : Normal : 1.0 W, Max : 2.0W
- Audio Amplifier
  - 1-W BTL Output(5V, 0.11 % THD+N)
  - Uncompensated Gains of 2 to 20 (BTL Mode)
  - Thermal and Shot-circuit Protection
  - High Supply Ripple Rejection Ratio
- PoE(Power over Ethernet)
  - IEEE802.3af compliant
  - Input voltage range 36V to 57V
  - Short-circuit Protection

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Hardware Specification

AP-TAS150 Time Attendance SIP Video Door Phone

- ## LCD Controller
  - One-Chip Solution for TFT-LCD
  - Hardware On-Screen Display (OSD)
  - Support resolution up to 240xRGBx320
  - Up to 24-bit RGB888 Digital Interface
  - Resize Function (x 1/16, x8)
  - BT.60/BT.66 Digital YCbCr 4:2:2(8-/16-bit) Interface

- ## Camera
  - High Sensitivity for low-light operation
  - Output support for Raw RGB, RGB, and YCrCb format
  - Image Size : VGA, QVGA, and any size scaling down from CIF to 40x30
  - Support AEC, AGC,AWB, ABF, ABLC
  - Saturation Level, Edge Enhancement Level, De-noise level Auto adjust
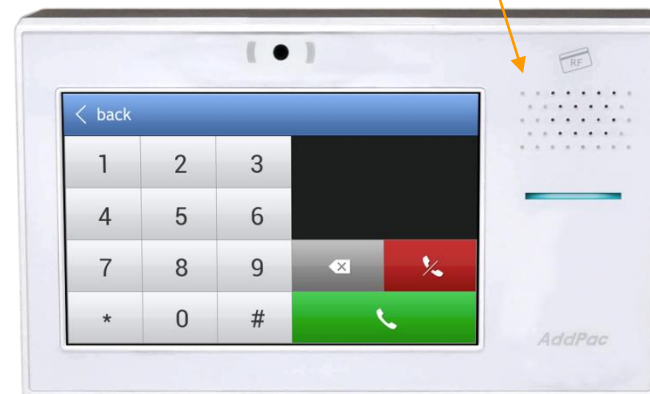
Hardware Specification
AP-TAS150 Time Attendance SIP Video Door Phone

- **RF Card Sensor**
  - Protocol Supported
    - ISO14443A/B all bit rates
      - > 106,212,424 and 848 kbps
    - Compatible to MiFare Classic
    - ISO15693 all modes
      - > 1.65/6.6 & 26.5 kbps
      - > Uplink 1 & 2 sub-carrier
  - Receiver
    - Rx Sensitivity down to 1mVrms
    - Rx Automatic Gain Control
    - Accept external baseband signal from external circuitry for frame level processing
    - Integrated signal strength indicator (SSI)
    - On-Chip Framing handler for supported standard
  - Transmitter
    - Typical proximity operating distance up to 100mm.
    - Software configurable modulation index
    - Maximum driving current up to 200 mA/PIN @ 5V
    - Accept external baseband signal for RF modulation
    - Wide Transmitter driver supply range from 2.7~7.0V

RF Card Sensor

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Hardware Specification
AP-TAS150 Time Attendance SIP Video Door Phone

- Fingerprint Recognition
    - Sensor Type : Capacitive
    - Resolution(dpi) : 508
    - Sensing Area(mm) : 12.8 x18.0
    - Image Size(pixel) : 256 x 360
    - CPU : 400MHz DSP
    - Flash Memory : 4MB
    - ERR : < 0.1%
    - Enrollment Time : 800msec
    - 1:1 Verification Time : 800msec
    - 1:1000 Identification Time : 970msec
    - Template Size : 256~384bytes (configurable, 384bytes default)
    - Template Capacity : 9,000
    - Encryption : 256bit AES

Fingerprint Recognition

Hardware Specification

AP-TAS150 Time Attendance SIP Video Door Phone

Front Side

Video Camera

RF Card Sensor

Internal Speaker

Status LED

5 Inch TFT LCD Display & Touch Screen

Fingerprint Recognition

Touch Key Menu

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Hardware Specification
AP-TAS150 Time Attendance SIP Video Door Phone

Back Side

RS485

RS232

2 Alarm,2 Relay Out

Power Input : Terminal Block
12V 1A

LAN Port

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Hardware Specification
AP-TAS150 Time Attendance SIP Video Door Phone

Power Supply

Terminal Block

12V 1A Power Adaptor

Example

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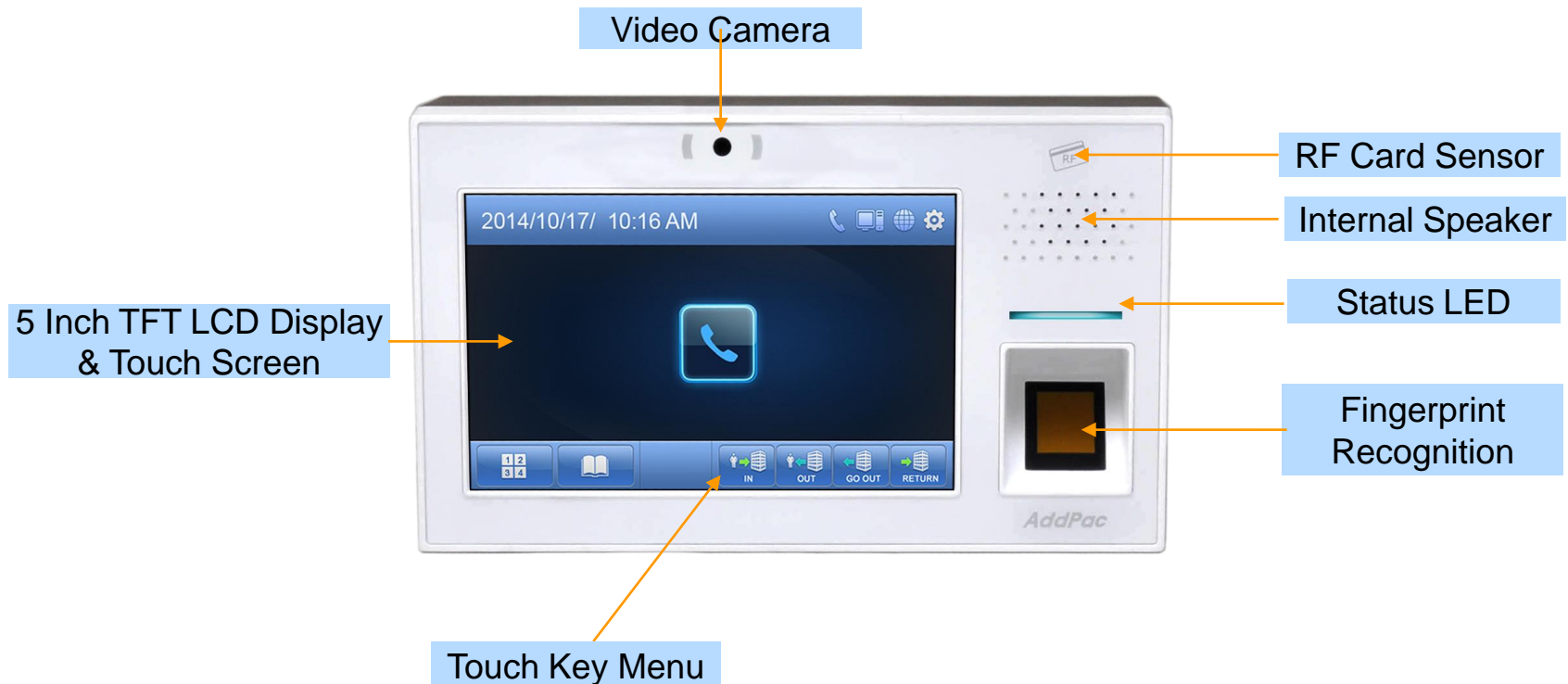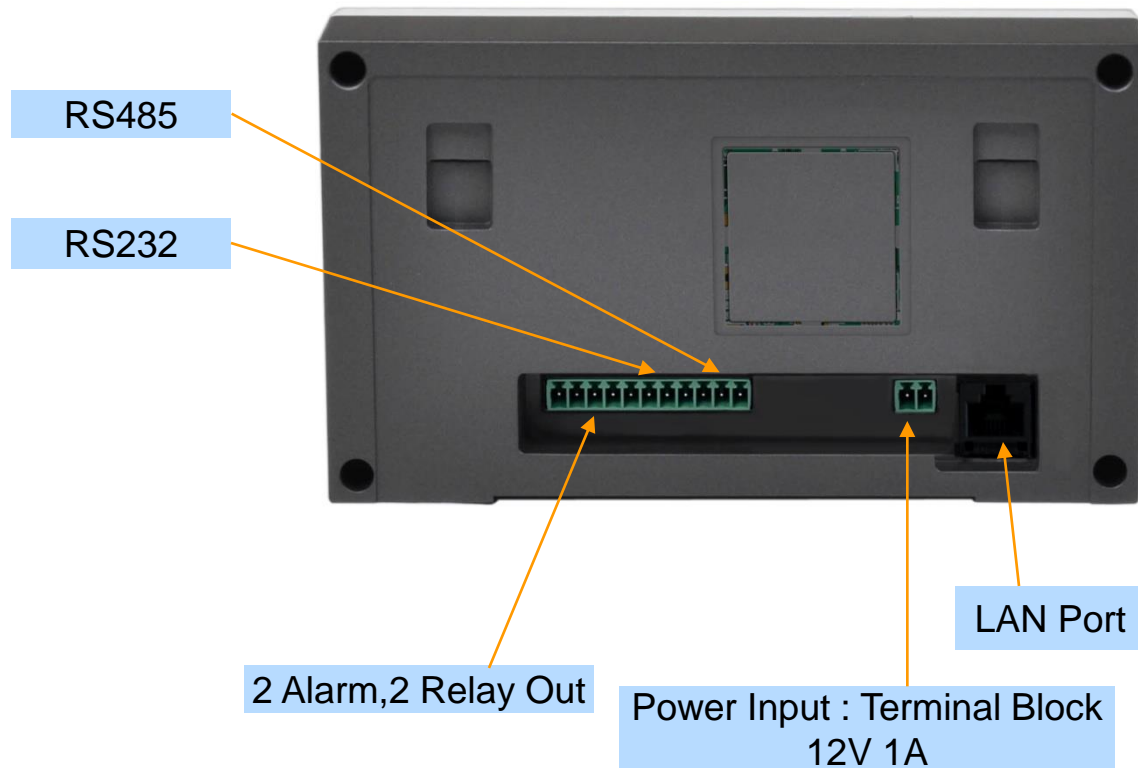
Time Attendance
SIP Video Door Phone
AP-TAS80

Main Features

AP-TAS80 Time Attendance SIP Video Door Phone

- Smart Time & Attendance IP Video Door Phone Solution
- High Performance SIP Video Door Phone Solution
- Video Camera, Touch Screen TFT Color LCD, Internal MIC & Speaker
- High Quality 5 Inch LCD, 800 x 480 Video Resolution
- RF Card Support
- SIP VoIP Signaling Stack Embedded
- High-performance Video/Voice Codec Support
  - H.264/MPEG4/H.263, G.711, etc
- One(1) 10/100Mbps Fast Ethernet
- PoE(Power over Ethernet) Support
- High Quality Speaker Phone Features
- Powerful Acoustic Echo Canceller Chip Embedded
- Powerful Network Protocols (PPPoE, DHCP, Static Routing, etc)
- Firmware Upgradeable Architecture
- Advanced Voice QoS Mechanism

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Hardware Specification

AP-TAS80 Time Attendance SIP Video Door Phone

- RISC+DSP Microprocessor Computing Power

- Audio and Voice Interface
  - Internal MIC
  - Internal Speaker

- Video Camera Interface

- TFT Color LCD Interface
  - 5 Inch LCD, 800 x 480 Video Resolution

- Network Interface
  - One(1) 10/100Mbps Fast Ethernet

- RF Card Interface

- Alarm & Relay Out Interface (door open, etc)

- RS232/RS485 Interface

- Power Supply
  - Power over Ethernet (Option)
  - External Power Supply

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Hardware Specification

AP-TAS80 Time Attendance SIP Video Door Phone

- Acoustic Echo Canceller
    - Full-duplex operation during double-talk situations
    - One channel AEC, one channel LEC up to 256ms shared
    - Cancels echoes with up to 10dB echo return
    - Advanced noise reduction(up to 20dB)

- Speaker
    - Impedance : 8 +-15%ohm at 1kHz, 1.0 Vrms
    - Sound Pressure : 90 +- 3dB at 0.1W/10 CM
        - at 800Hz, 1.0kHz, 1.2kHz, 1.5kHz
    - Resonance Level : 550Hz +- 20%Hz at Fo Hz, 1.0Vrms
    - Frequency Range : Fo Hz ~20kHz
    - Input Power : Normal : 1.0 W, Max : 2.0W

- Audio Amplifier
    - 1-W BTL Output(5V, 0.11 % THD+N)
    - Uncompensated Gains of 2 to 20 (BTL Mode)
    - Thermal and Shot-circuit Protection
    - High Supply Ripple Rejection Ratio

- PoE(Power over Ethernet)
    - IEEE802.3af compliant
    - Input voltage range 36V to 57V
    - Short-circuit Protection

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Hardware Specification

AP-TAS80 Time Attendance SIP Video Door Phone

RISC CPU

High-end DSP

- **LCD Controller**
  - One-Chip Solution for TFT-LCD
  - Hardware On-Screen Display (OSD)
  - Support resolution up to 240xRGBx320
  - Up to 24-bit RGB888 Digital Interface
  - Resize Function (x 1/16, x8)
  - BT.60/BT.66 Digital YCbCr 4:2:2(8-/16-bit) Interface

- **Camera**
  - High Sensitivity for low-light operation
  - Output support for Raw RGB, RGB, and YCrCb format
  - Image Size : VGA, QVGA, and any size scaling down
    from CIF to 40x30
  - Support AEC, AGC,AWB, ABF, ABLC
  - Saturation Level, Edge Enhancement Level, De-noise level Auto adjust

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Hardware Specification

AP-TAS80 Time Attendance SIP Video Door Phone

- **RF Card Sensor**
  - Protocol Supported
    - ISO14443A/B all bit rates
      - > 106,212,424 and 848 kbps
    - Compatible to MiFare Classic
    - ISO15693 all modes
      - > 1.65/6.6 & 26.5 kbps
      - > Uplink 1 & 2 sub-carrier
  - Receiver
    - Rx Sensitivity down to 1mVrms
    - Rx Automatic Gain Control
    - Accept external baseband signal from
      - external circuitry for frame level processing
    - Integrated signal strength indicator (SSI)
    - On-Chip Framing handler for supported standard
  - Transmitter
    - Typical proximity operating distance up to 100mm.
    - Software configurable modulation index
    - Maximum driving current up to 200 mA/PIN @ 5V
    - Accept external baseband signal for RF modulation
    - Wide Transmitter driver supply range from 2.7~7.0V

RF Card Sensor

Hardware Specification

AP-TAS80 Time Attendance SIP Video Door Phone

Front Side

- Video Camera
- RF Card Sensor
- Internal Speaker
- Status LED
- Fingerprint Recognition
- 5 Inch TFT LCD Display & Touch Screen
- Touch Key Menu

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IN   OUT   GO OUT   RETURN

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Hardware Specification

AP-TAS80 Time Attendance SIP Video Door Phone

Back Side

RS485

RS232

LAN Port

2 Alarm,2 Relay Out

Power Input : Terminal Block 12V 1A
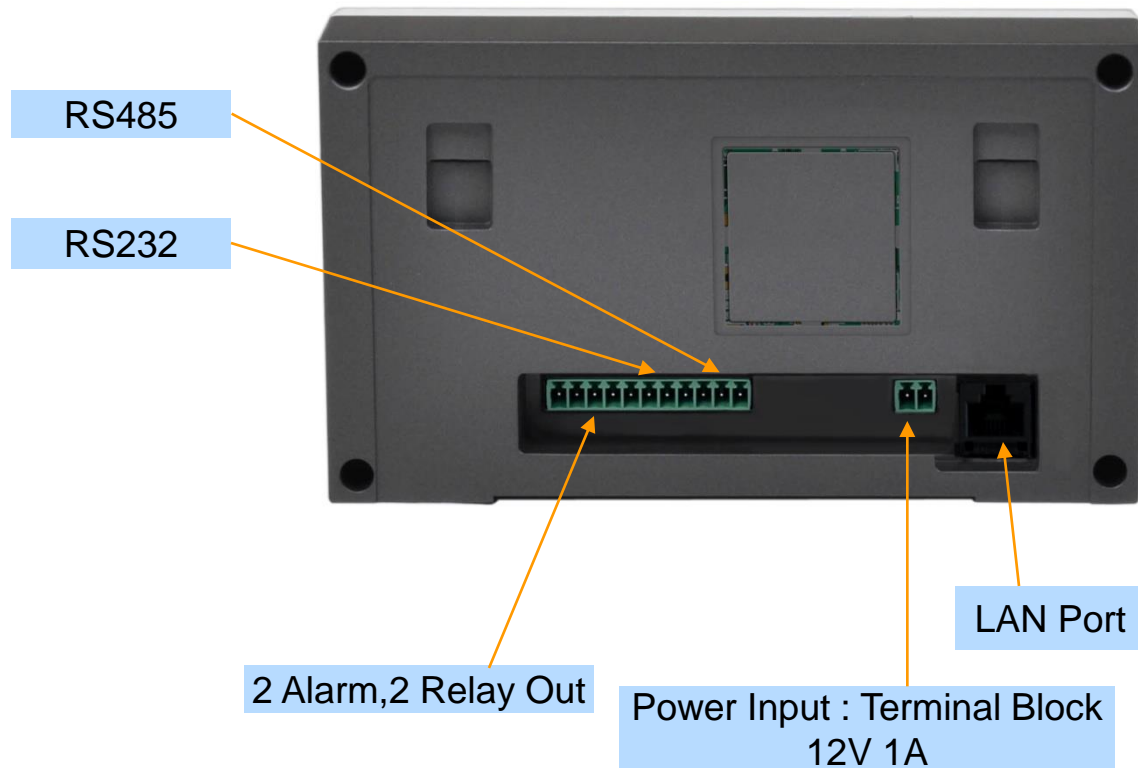
Hardware Specification

AP-TAS80 Time Attendance SIP Voice Door Phone

RISC
CPU

High-end
DSP

Power Supply

Terminal Block

12V 1A Power Adaptor

Example

IP Video Door Phone
Back-End Solution

IP Video Door Phone Backend Product Table

Backend Products	Description	Model
	IP Door Access Control Servers	AP-ACS2000
	IP Video Phone (Bidirectional two-way video)	AP-VP280, etc
	IP Soft Video Phone	AP-SMP100 (Window) AP-ASH100 (Android) AP-ISH100 (IOS)
	Smart Door Phone Application	AP-SAD100

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AP-ACS2000
Access Control Server

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Main Features

AP-ACS2000 DACS (Door Access Control System)

- Door Access Control Application System
- SIP Application Server, Proxy, Registrar and Location Server
- Multiple ITSP Trunk with SIP & H.323 Accounts Support
- High Performance RISC & Programmable DSP Architecture
- Smart Multimedia Manager for IP-PBX Management
- DACM(Door Access Control Manager)
- TAAM(Time and Attendance Management) Service
- IPv4/IPv6 based Dual Network Protocol Support
- Fault Tolerant and Scalability Architecture
- Firmware Upgradeable Architecture
- Dual System Redundancy Architecture
  - Two(2) 3.5 Inch Hard Disk (RAID 1) / System
  - Two(2) Gigabit Ethernet Interface / System
- Dual Redundancy Power Module

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Hardware Features

AP-ACS2000 DACS (Door Access Control System)

- High-End Microprocessor Computing Power

- Main Chassis
    - Dual Redundancy CPU Boards for System Fault Tolerant
        - Two(2) 10/100/1000Mbps Gigabit Ethernet
        - One(1) RS-232C Console (RJ45)
        - Two(2) 3.5 Inch Hard Disk Interface Slot (RAID 1)
    - Dual Redundancy Power Supply Module
    - Hot-Swap Features

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Hardware Specification

AP-ACS2000 DACS (Door Access Control System)

AP-ACS2000 Front Side

CPU Board
(Hot-Swap)

Dual 3.5 Inch
HDD Disks(RAID1)
: Hot-Swap

Dual Power Supply
Modules
(Hot-Swap)

AP-ACS2000 DACS (Door Access Control System)

AP-ACS2000 Back Side

LAN0 for Active CPU

LAN1 for Active CPU

LAN0 for Standby CPU

LAN1 for Standby CPU

FANs for Air Cooling

Plug for PSU Module B

Plug for PSU Module A

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DACS
System Message Flow

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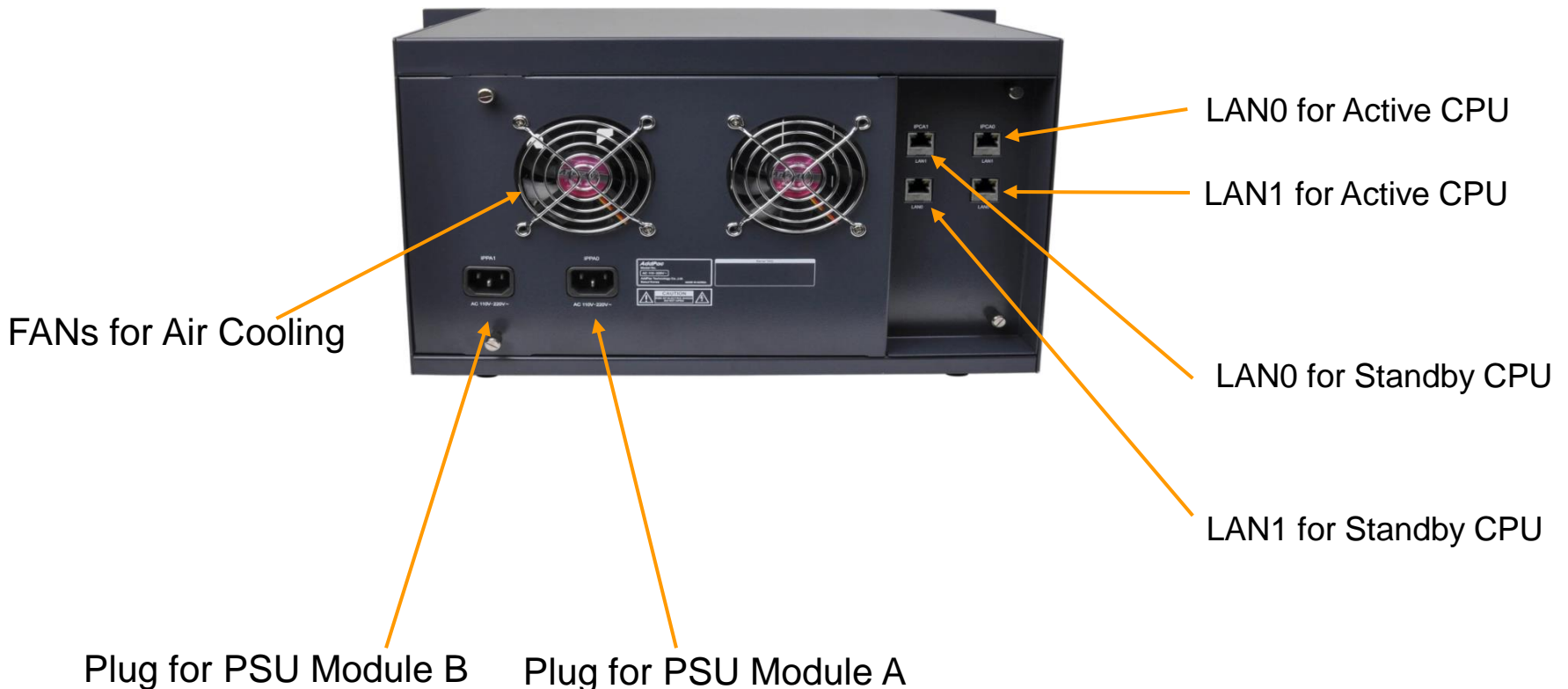
DACS System Message Flow
Registration and KeepAlive

AP-TAS150

AP-ACS2000

Register with
Authentication

OK

HTTP Get : Terminal
List with Status

KeepAlive

HTTP Response : Terminal List
by AJAX XML

OK
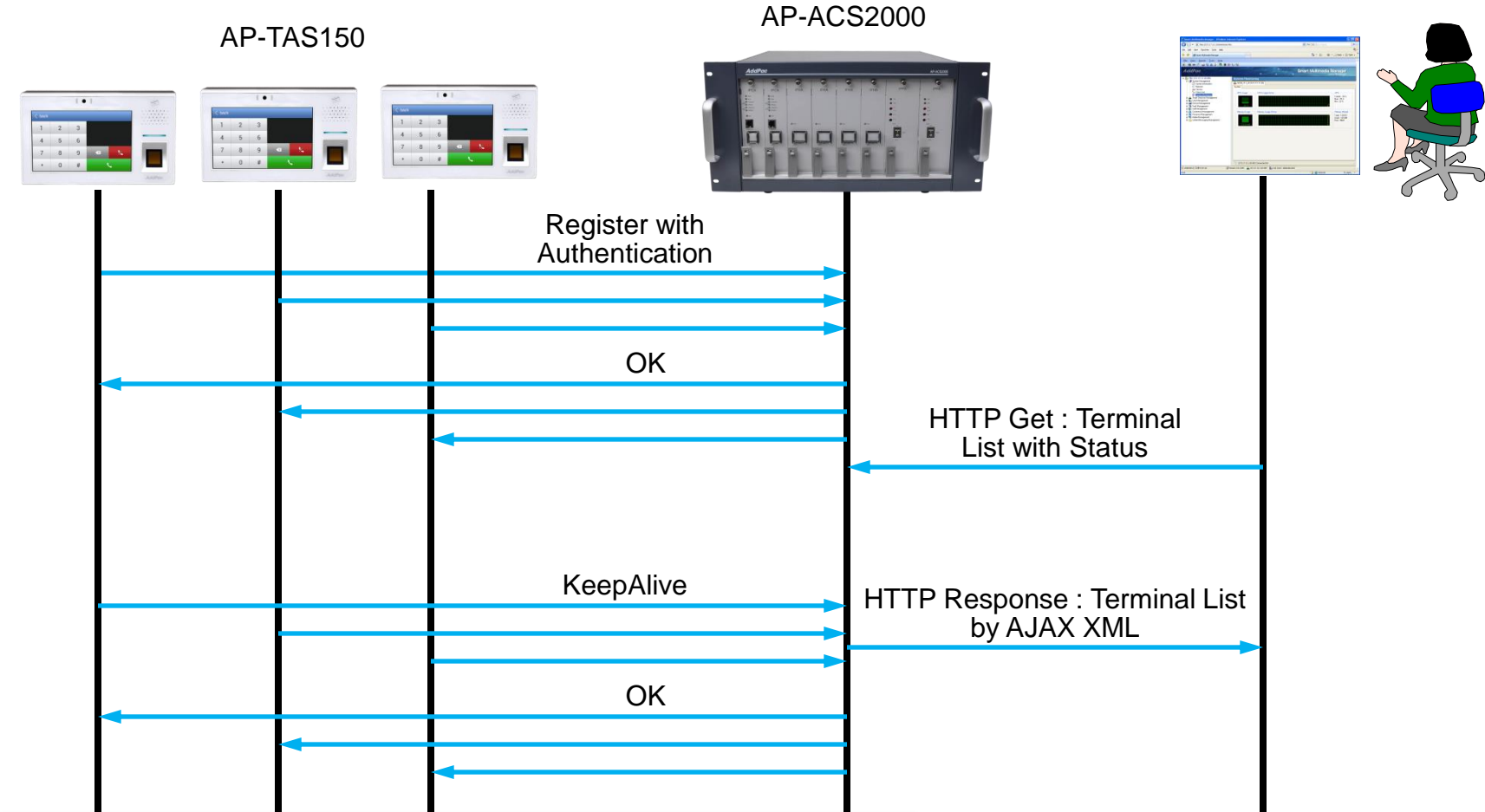
DACP (Door Access Control Protocol) : XML over TCP

DACS System Message Flow
Access Privilege and Schedule Download

AP-TAS150

AP-ACS2000

HTTP POST : User Access Privilege & Schedule

AGConfig : Configuration Download

HTTP Response : OK

OK

HTTP GET : Terminal Download Result

HTTP Response : Terminal Download Status

DACP Handle Full or Partial Configuration Download for Supporting Efficient and Large Scale Network

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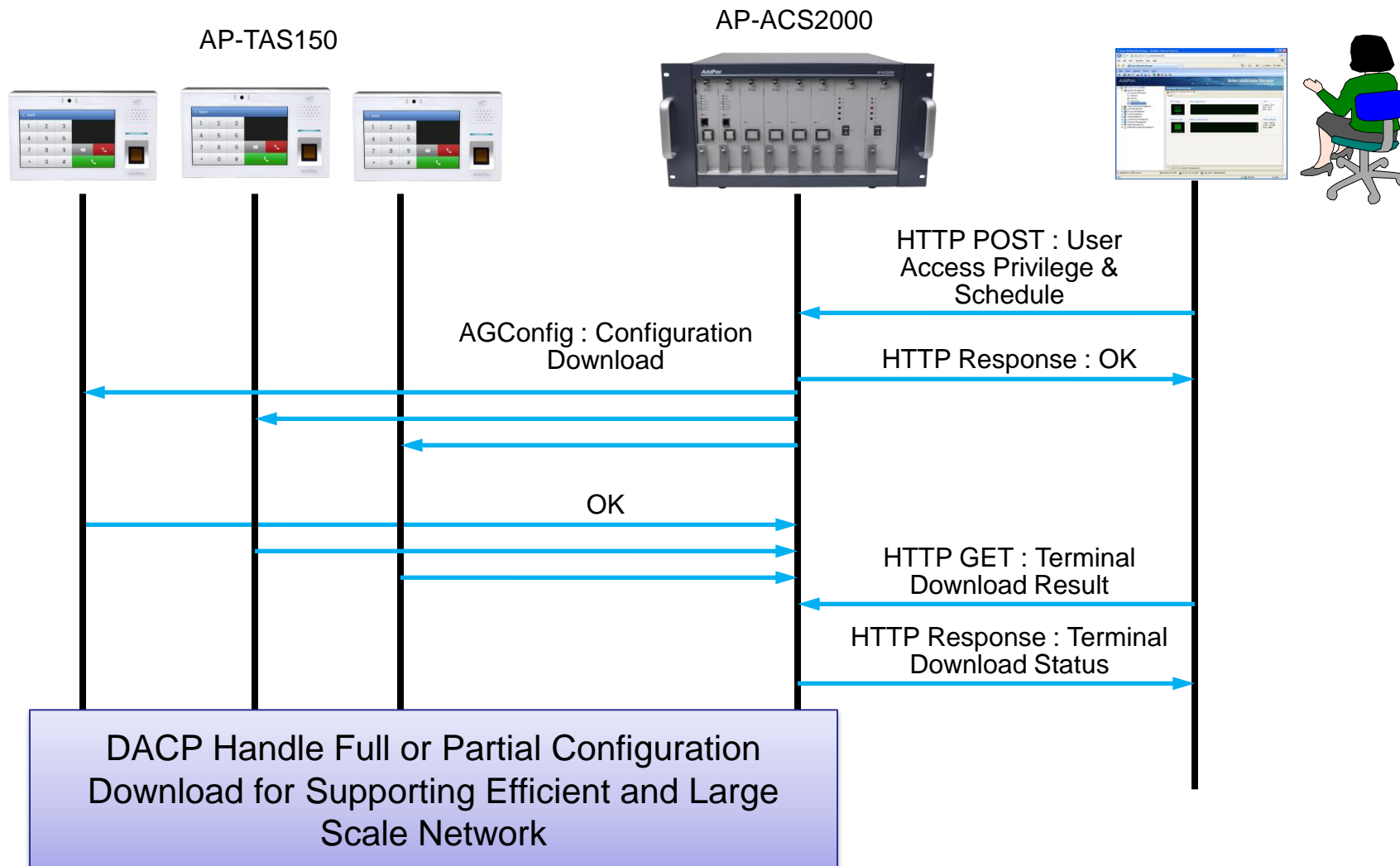
DACS System Message Flow
RF Card Read/Write and Registration

AP-TAS150

AP-ACS2000

HTTP GET: RF Card Information

CardRead

OK

HTTP Response : OK

HTTP POST : RF Card Information

CardWrite

OK

HTTP Response : OK
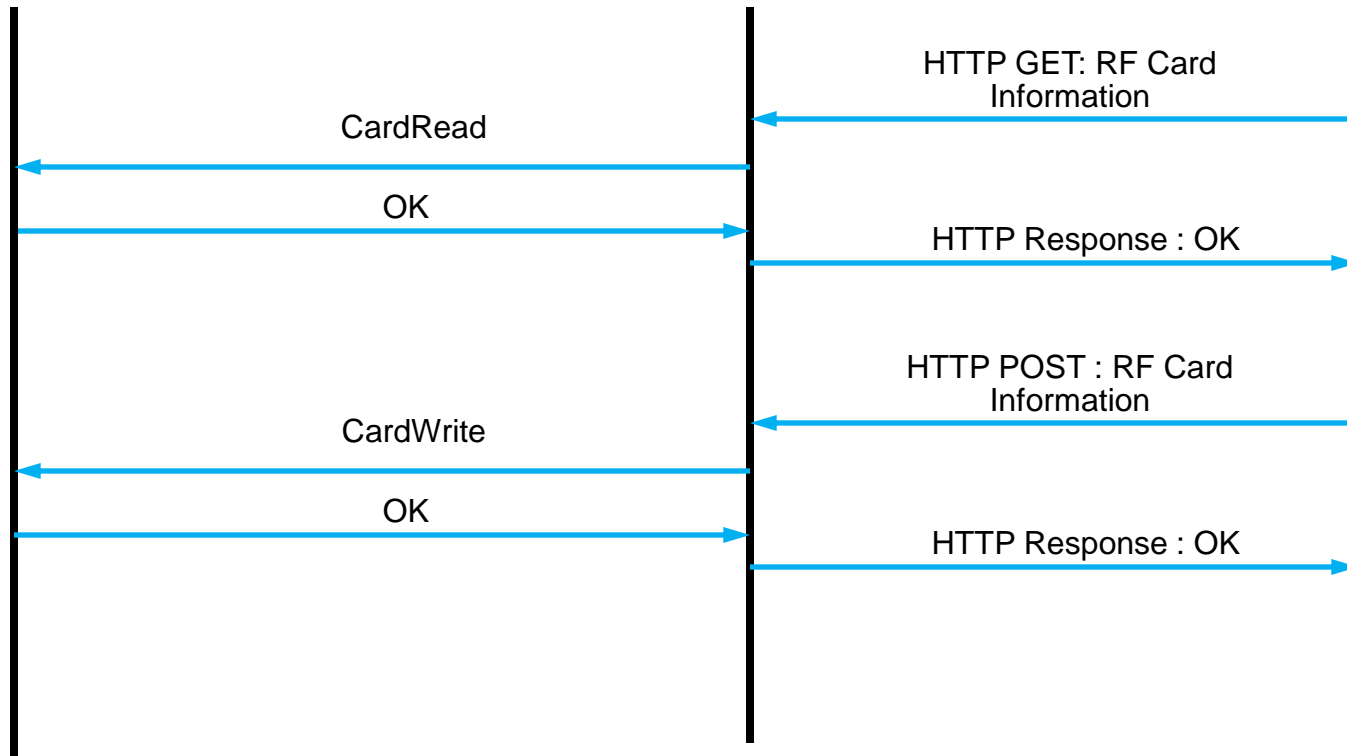
DACS System Message Flow

Door Open by RF Card or Password

AP-TAS150

AP-ACS2000

1. Employee Put his RF Card or Input Password using Keypad

2. Validate User and Schedule

3. Send Notification to Server and Save the Event to Local Database

EventNotify

OK

AddPac
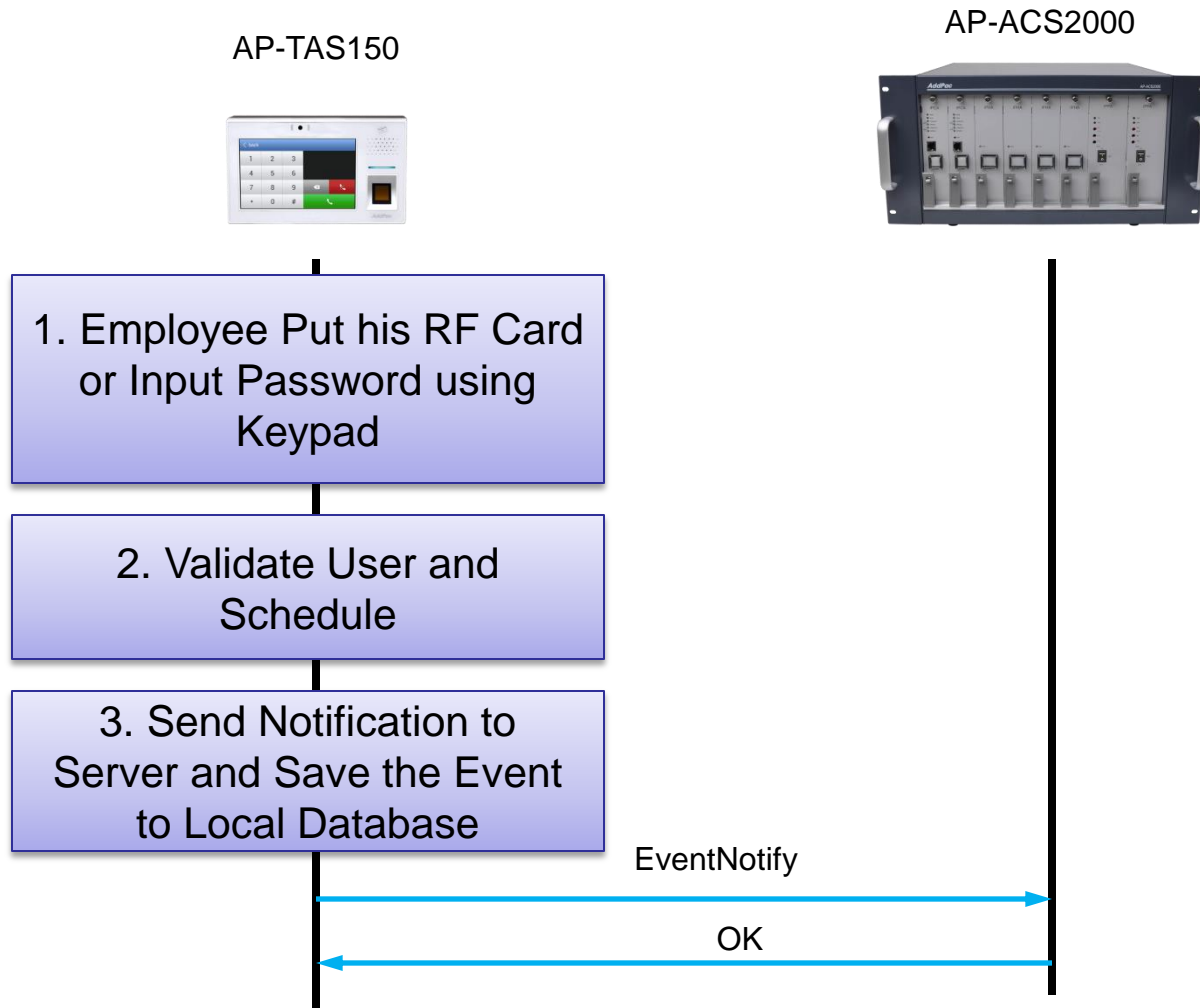
DACS System Message Flow

Door Open by Fingerprint

AP-TAS150

AP-ACS2000

1. Employee Put his Fingerprint

2. Validate User and Schedule

3. Send Notification to Server and Save the Event to Local Database

Event Notify

OK

AddPac
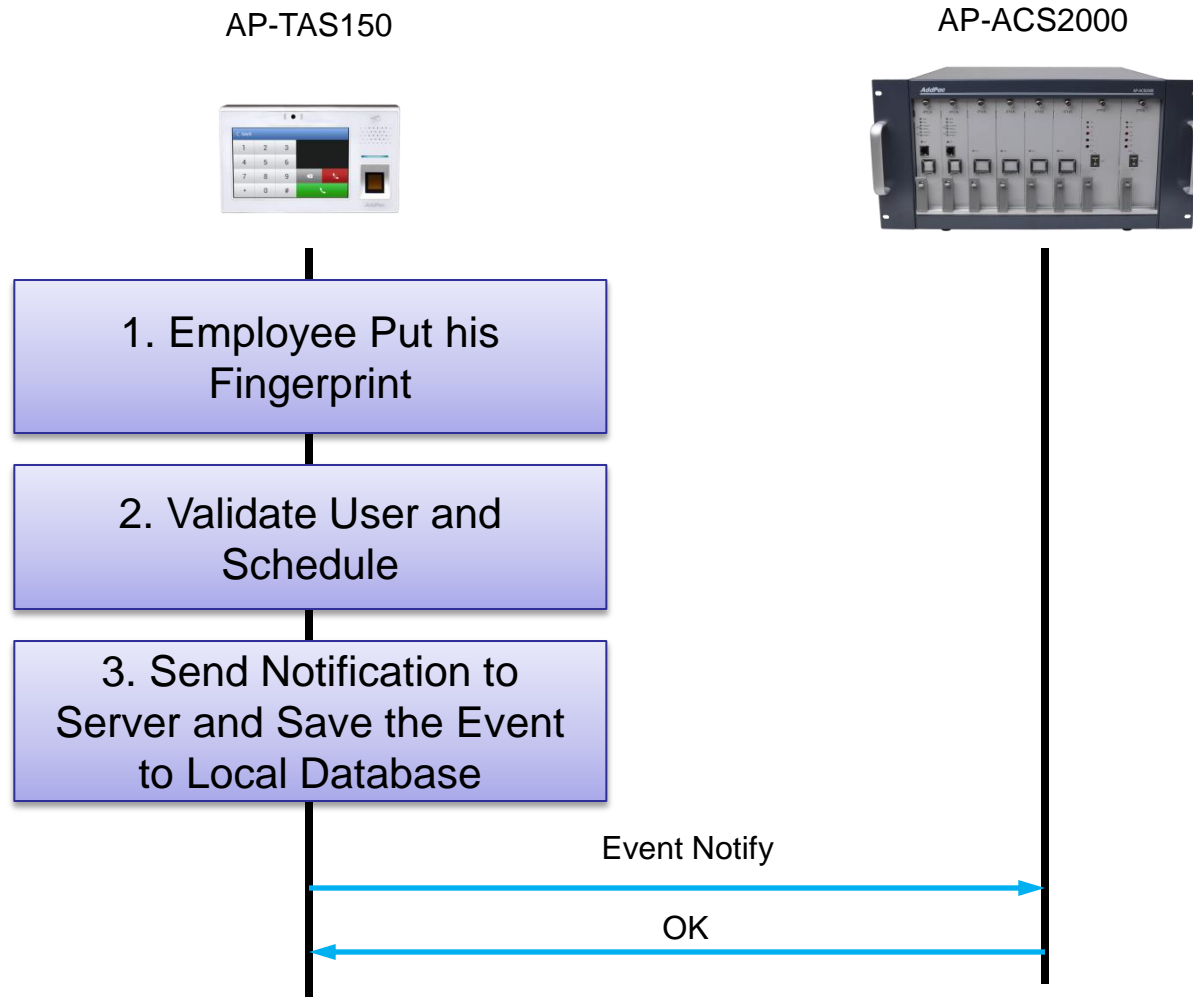
DACS System Message Flow
Door Open by Other Terminal

AP-ACS2000

AP-TAS150

AP-VP280
Video Phone

1. Visitor Call to Attendant or a User

INVITE

INVITE

200 OK

200 OK

2. Talk to Visitor and Push Door Open Softkey

INFO (DoorOpen)

INFO (DoorOpen)

200 OK

200 OK

3. Send Notification to Server and Save the Event to Local Database

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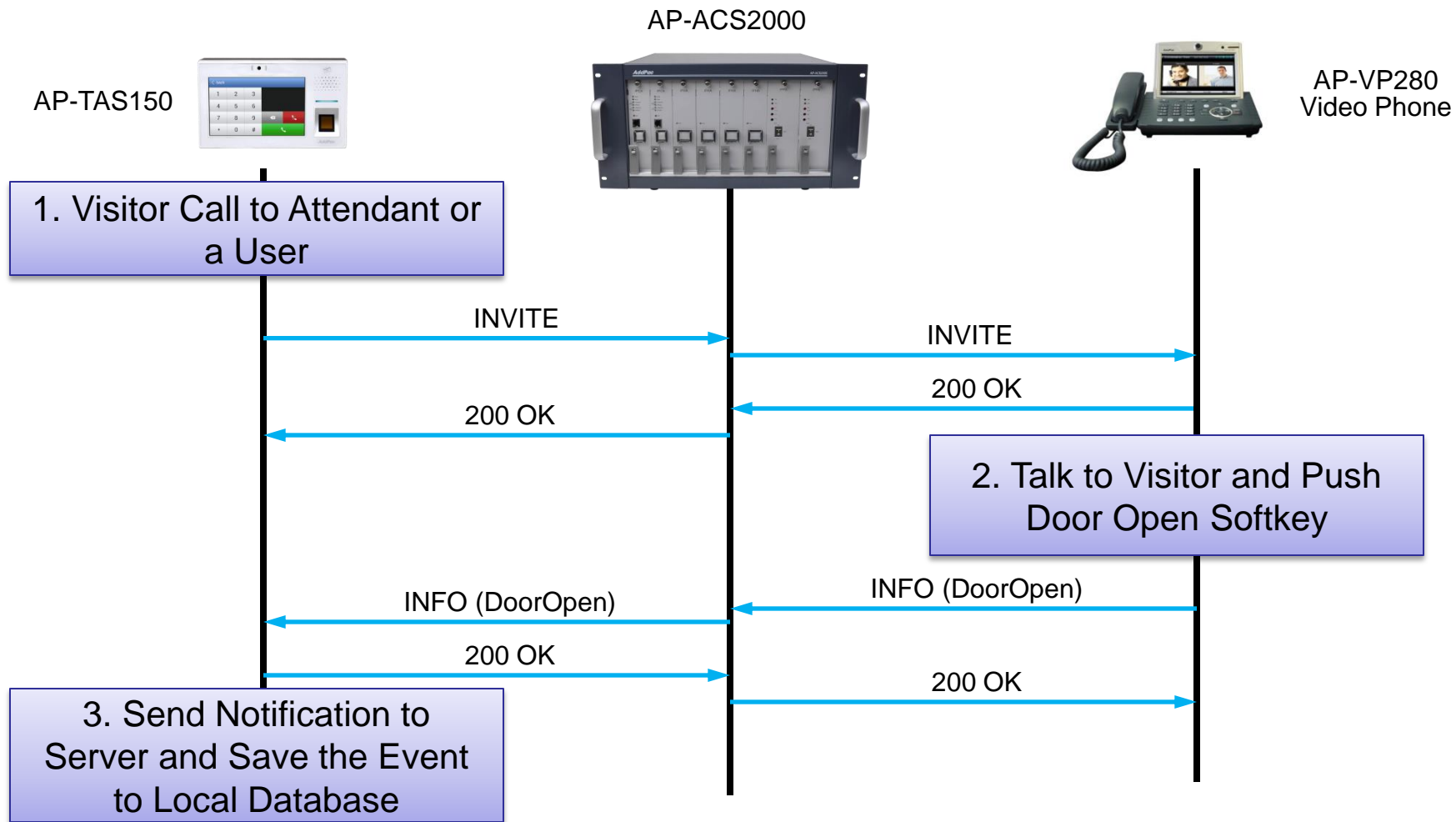
Door Access Control Manager for AP-ACS2000

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DACM (Door Access Control Manager)

Main Web Page
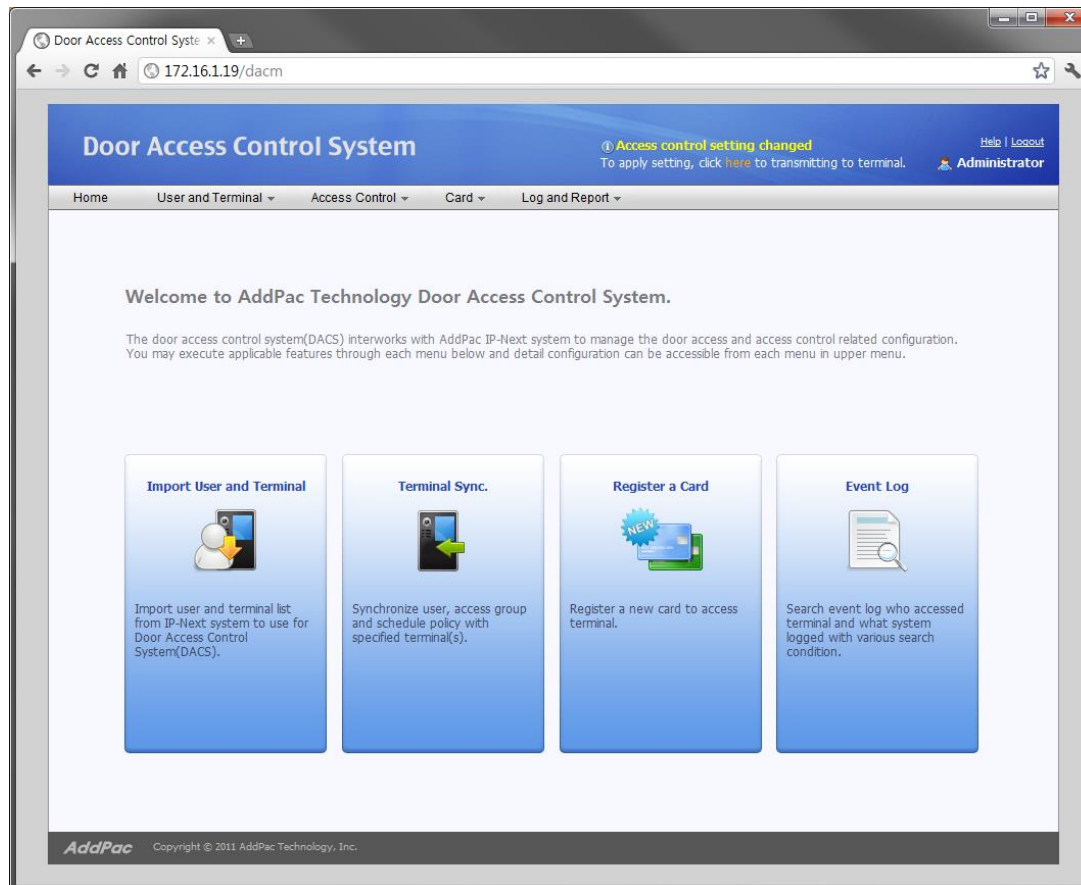
DACM (Door Access Control Manager)

Import User and Terminal

DACM (Door Access Control Manager)

User List

DACM (Door Access Control Manager)

Terminal List

DACM (Door Access Control Manager)

Access Control Group Management

DACM (Door Access Control Manager)

Configuration Download to Terminal

DACM (Door Access Control Manager)

RF Card Management

DACM (Door Access Control Manager)

Access Log Management

Time & Attendance Management

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Contents

- Daily Attendance Management

- Monthly Attendance Management

- Business Trip and Vacation Management

- Time & Attendance Codes

- Attendance Report Management

- Attendance Report by Date, Month

- Attendance Daily Report by Month

- Attendance Personal Report

DACS (Door Access Control System)
Login page

TAAM (Time and Attendance Manager)
Main Web Page
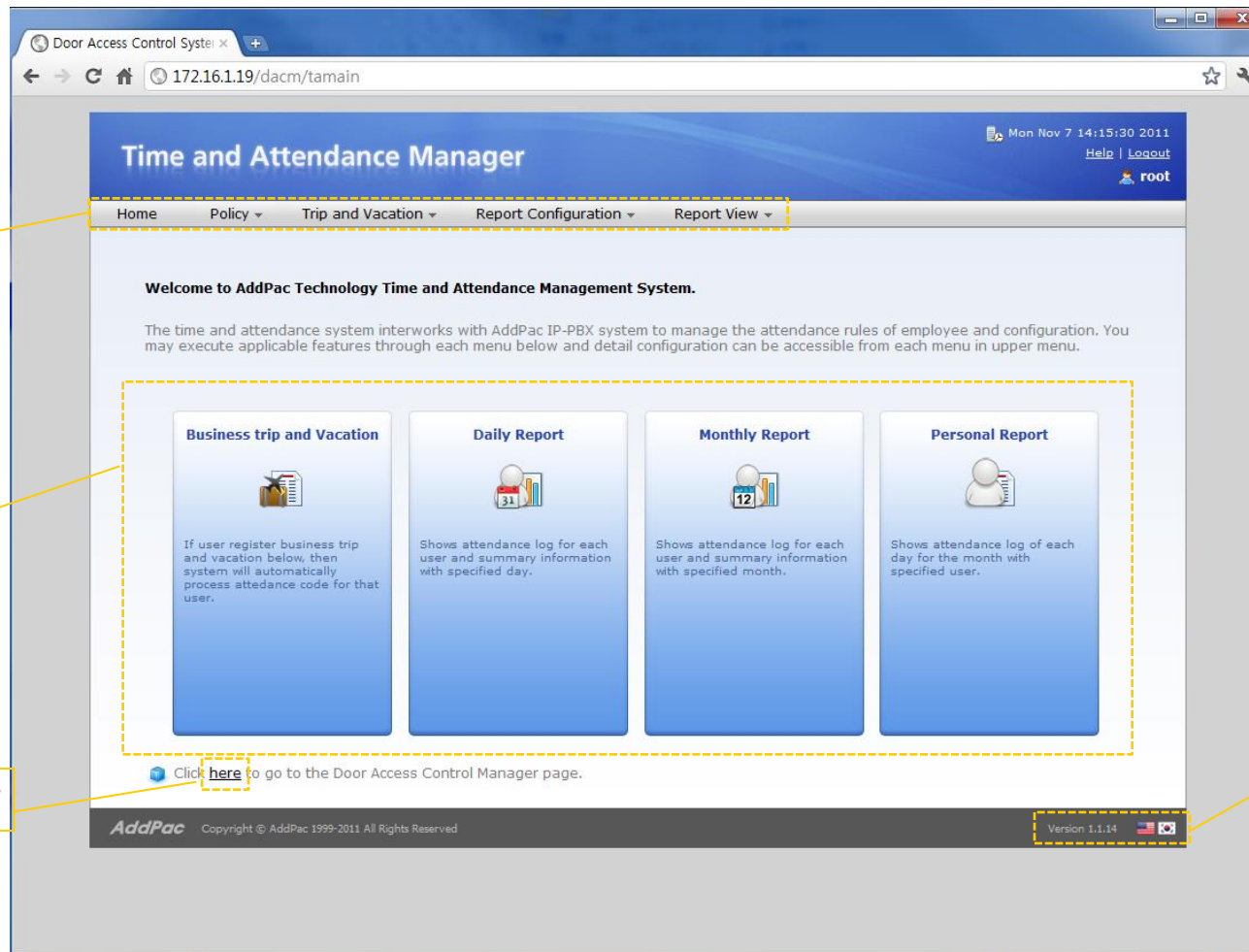
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TAAM (Time and Attendance Manager)
Daily Attendance Rules

TAAM (Time and Attendance Manager)
Monthly Attendance Rules

TAAM (Time and Attendance Manager)
Business Trip and Vacation

TAAM (Time and Attendance Manager)
Time and Attendance Codes

TAAM (Time and Attendance Manager)
Delivery Policy for Attendance Report

manager level users (extension) list who want to receive daily and monthly attendance report

if checked, system will send personal attendance report of each month to extension user

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TAAM (Time and Attendance Manager)
Attendance Report by Date

TAAM (Time and Attendance Manager)
Attendance Report Excel Export

Username	Department	In	Out	Overtime	Office Hours	Result	Correction Time
Eike batista	smart management	08:05:00	18:05:00	0 hr	10:00:00	Normal	
Bill Gates	multimedia	09:15:00	17:15:00	0 hr	08:00:00	Normal	2011-11-07 14:52:28
Larry Ellison	multimedia	09:00:00	18:00:00	0 hr	09:00:00	Normal	
karl Albrecht	smart framework	09:00:00	17:00:00	0 hr	08:00:00	Early Out	
Carlos Slim Helu	smart management	09:10:00	19:10:00	0 hr	10:00:00	Normal	
Lakshmi Mittal	multimedia	09:00:00	18:00:00	4 hr	09:00:00	Normal	
Christy Walton	smart framework	09:00:00	18:00:00	0 hr	09:00:00	Normal	
Lika Shing	smart framework	09:20:00	18:20:00	0 hr	09:00:00	Late In	
Stefan Persson	smart framework	09:00:00	20:00:00	2 hr	11:00:00	Normal	
Warren Buffett	multimedia	09:15:00	18:15:00	0 hr	09:00:00	Normal	
Amancio Ortega	smart management	09:00:00	21:00:00	3 hr	12:00:00	Normal	
Mukesh Ambani	smart management	09:00:00	18:30:00	0 hr	09:30:00	Normal	

Attendance Report by Date (2011-10-19)

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TAAM (Time and Attendance Manager)
Attendance Report by Month

attendance summary for each time and attendance code with specified month

attendance summary for each extension user

TAAM (Time and Attendance Manager)
Attendance Daily Report by Month
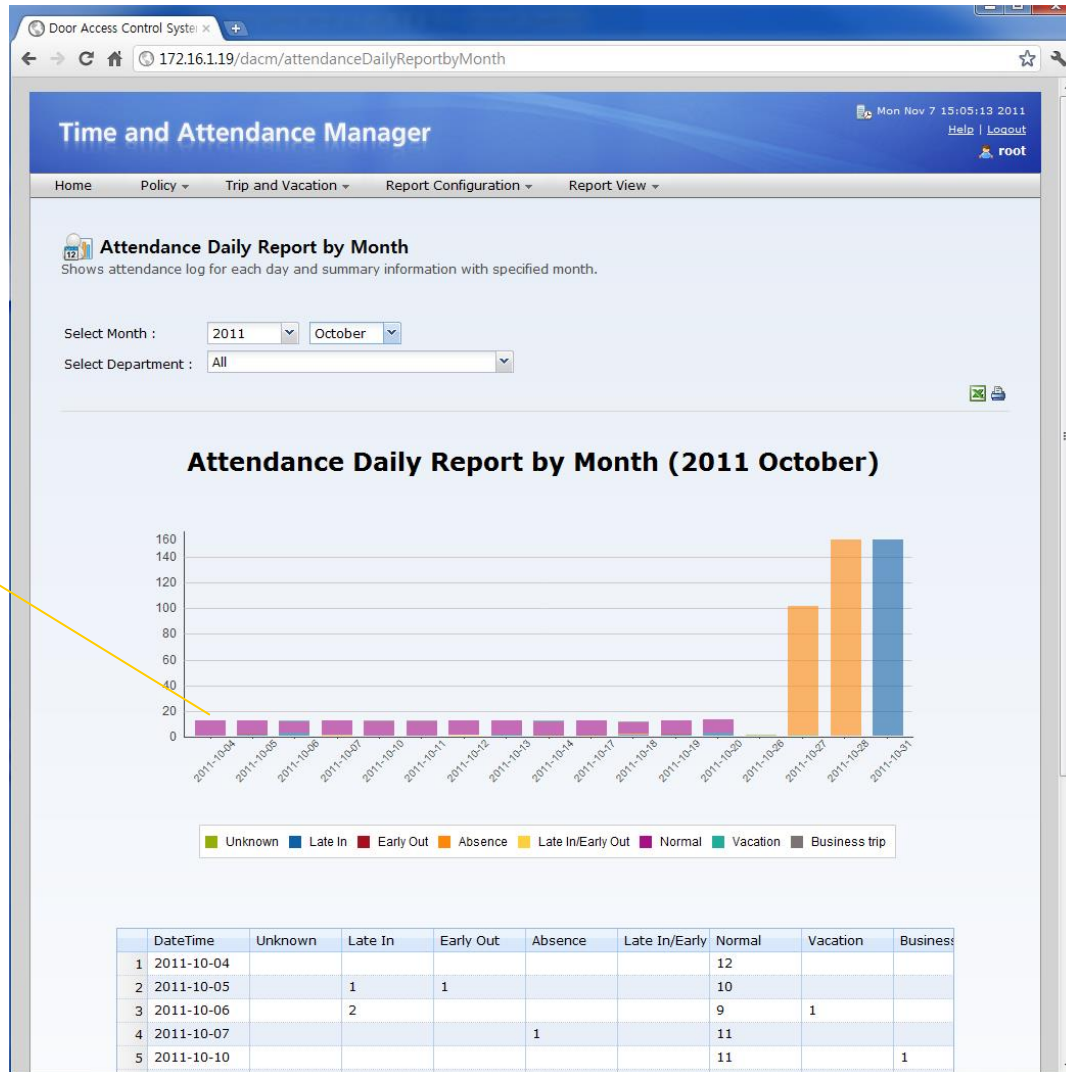
clustered column of attendance summary with time span from first to end of the month

TAAM (Time and Attendance Manager)
Attendance Personal Report

AP-ACS2000 Open API

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Open API
Open API for 3'rd Party Management System

HTTP Get, Post, Put, Delete

HTTP Response

AP-ACS2000

3'rd party server
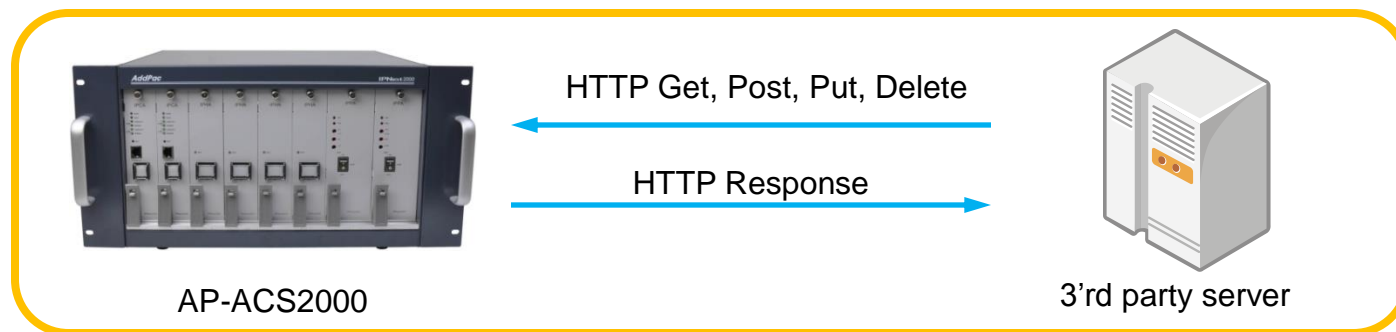
- HTTP based RESTful Open API for Door Access Management
- XML based Flexible and Expandable Message Contents
- Provides More than 40 APIs as Bellow
  - user_list(GET), user(GET, POST, PUT, DELETE), …
  - terminal_list(GET), terminal(GET, POST, PUT, DELETE), …
  - access_group(GET, POST, PUT, DELETE), priority (PUT), …
  - card_list(GET), card(POST, PUT, DELETE), …
  - schedule_template(GET, POST, PUT, DELETE), rule(GET, POST, PUT, DELETE) ,…

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IP Video Phones

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IP Video Phone Solution

	AP-VP500	AP-VP300N	AP-VP280
LCD Size	12.1 Inch Touch Screen	7Inch Touch Screen	7Inch Touch Screen
Camera	CCD	CCD	CMOS
Video Codec	H.263 MPEG4 H.264	H.263 MPEG4 H.264	H.263 MPEG4 H.264
Signaling	H.323/SIP	H.323/SIP	H.323/SIP
Video MCU	N/A	N/A	N/A
Voice MCU	3-Party	3-Party	3-Party
LAN Port	2	2	2
PoE	N/A	Support	Support

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IP Soft Video Phone
AP-SMP100

Product Overview

AP-SMP100 Smart Multimedia SoftPhone

AP-SMP100	Main Features	MS-Window based IP Soft Video Phone
		IP Real-time Audio/Video Broadcasting Terminal Solution
		Up to 30fps with VGA-Resolution(MPEG-4)
		Video Conference Call Support (AddPac External MCU Inter-working) Advanced Voice/Video Traffic QoS
		Advanced Voice/Video Traffic QoS
		SIP, H.323* Signaling Support
		Support Various Call Signal via AddPac IP-PBX Inter-working

	A/V Service Features	High-performance Video/Voice Codec Support
		    - H.263, MPEG-4, JPEG, and H.264
		    - G.711,G.726

		Powerful Image Resolution Support -QCIF(176x144), CIF(352x288), QVGA(320x240), 4CIF and VGA
		64Kbps to 4Mbps Operating Video Traffic Bandwidth

		Rate Control for Video Traffic QoS
		    Ensuring Optimized Quality
		    Frame Rate with Limited Bandwidth

		High-end Error Resilient Against Various Packet Error

OSD Software Features

AP-SMP100 Smart Multimedia SoftPhone

OSD Software Features

AP-SMP100 Smart Multimedia SoftPhone

OSD Software Features

AP-SMP100 Smart Multimedia SoftPhone

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Smart Door Phone Appl.

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- AddPac AP-SAD100 Android Video Door Phone Appl.
  - AP-SAD100 Android Door Phone Appl. Overview
  - AP-SAD100 Network Service Diagram
  - AP-SAD100 SIP Register Diagram
  - AP-SAD100 SIP Video Call Flow Diagram
  - AP-SAD100 UI Design
  - AP-SAD100 Setting and Configuration

- 3'rd Party Video Phone Appl.(ex: Linphone)

AddPac

AddPac Smart Door Phone
(Android Appl.)

AP-SAD100 Overview

- It supports receiving a video call from door side video door phone by visitor.

- It supports opening the door optionally with password.

- It supports making a video call to door side video door phone to see door side.

- It supports unidirectional video stream from door phone or bidirectional video stream to door phone optionally.

- It supports standard based SIP signaling protocol.

- It supports below voice and video codecs
  - Voice Codec : G.711ulaw/alaw, G.726
  - Video Codec : H.264, H.263. MPEG4

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AP-SAD100 Network Service Diagram

Door 1

AP-TAS150

10/100M

[Ethernet]

Door 2

AP-TAS150

10/100M

[Ethernet]

[Ethernet]

Door N

AP-TAS150

10/100M

[Ethernet]

AP-ACS2000
(Door Access Control Server)

LAN, WAN

3G/4G
Network

Attendant

[Ethernet]

AP-VP280

Door Open
By Push Soft key

AP-SAD100 Smart Door Phone Appl.

Smart Door Phone
For android
Door Open
By Slide button

RTP Media(Audio + Video)

SIP Signaling

AddPac
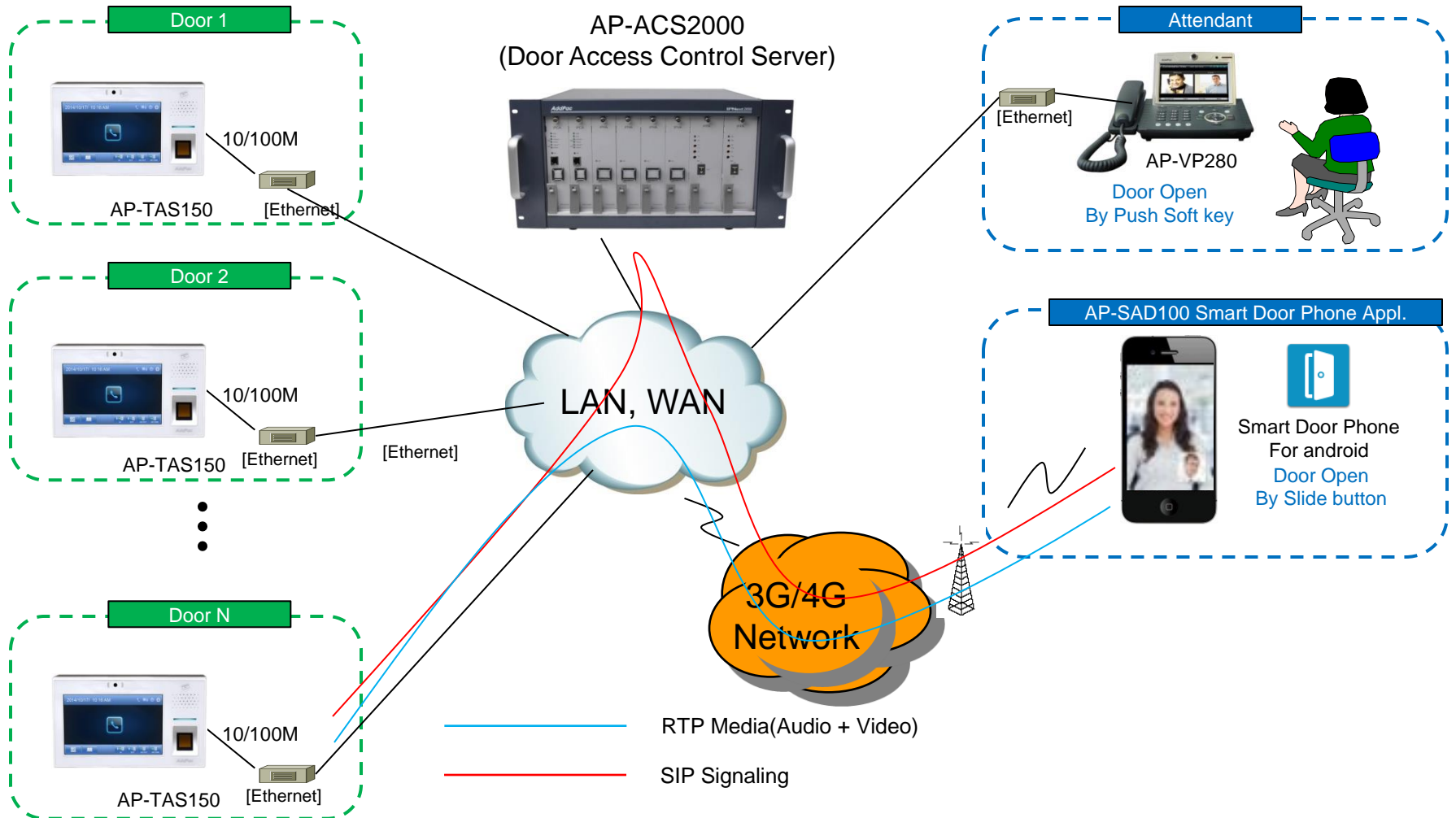
SIP Register
Smart Door Phone Application Register to AP-ACS1000
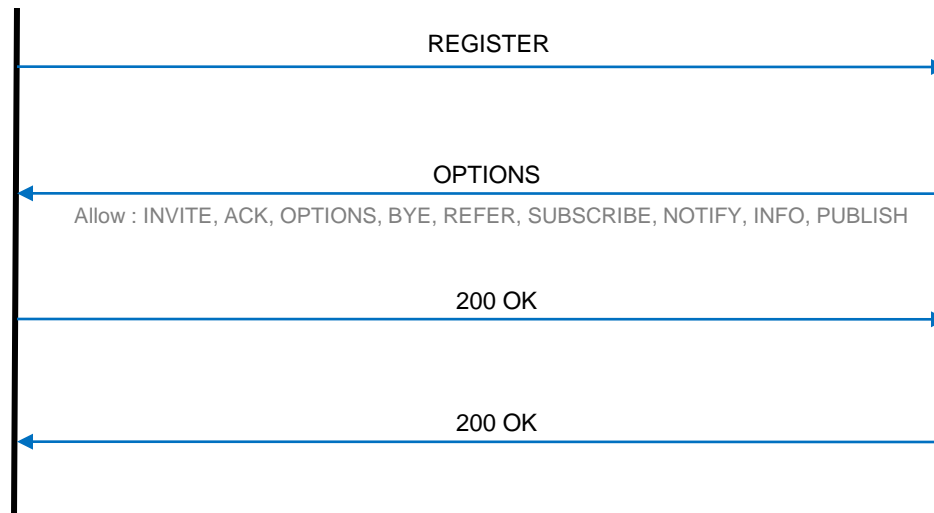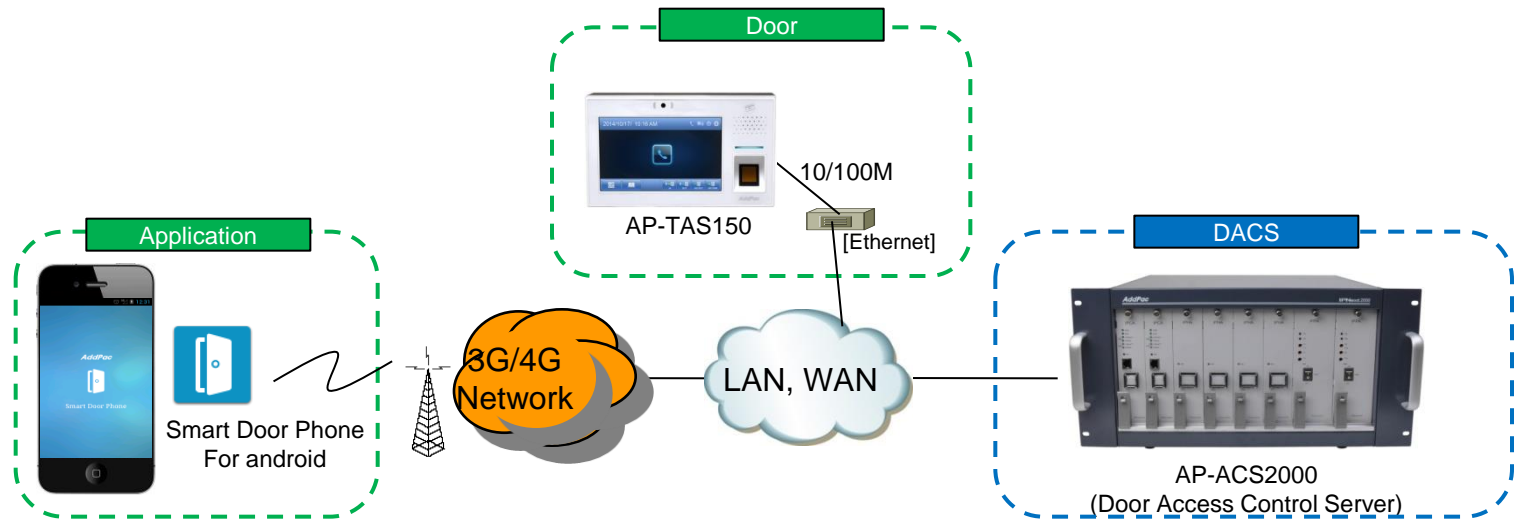
SIP Video Call Flow
Door Open Flow

Door

AP-TAS150

10/100M
[Ethernet]

(No.1000)

LAN, WAN

3G/4G Network

AP-ACS2000

Attendant

Smart Door Phone
For android
(AP-SAD100)

(No.2000)

TAS150 Database | ACS2000 Database | Application

Invite

1. Visitor Call to User (Dialing 2000)

Invite

100 Trying

100 Trying

180 Ringing

180 Ringing

200 OK

200 OK

2. Talk to Visitor and Push Door Open Slide Button

RTP Session

INFO 2000@addpac.com (Request Door Open)

INFO 2000@addpac.com (Request Door Open)

200 OK

200 OK

3. Save the Event to Local Database (No.2000)

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Smart Door Phone App.
Main screen (portrait)

Registration Status

Call to door phone

Press the call button
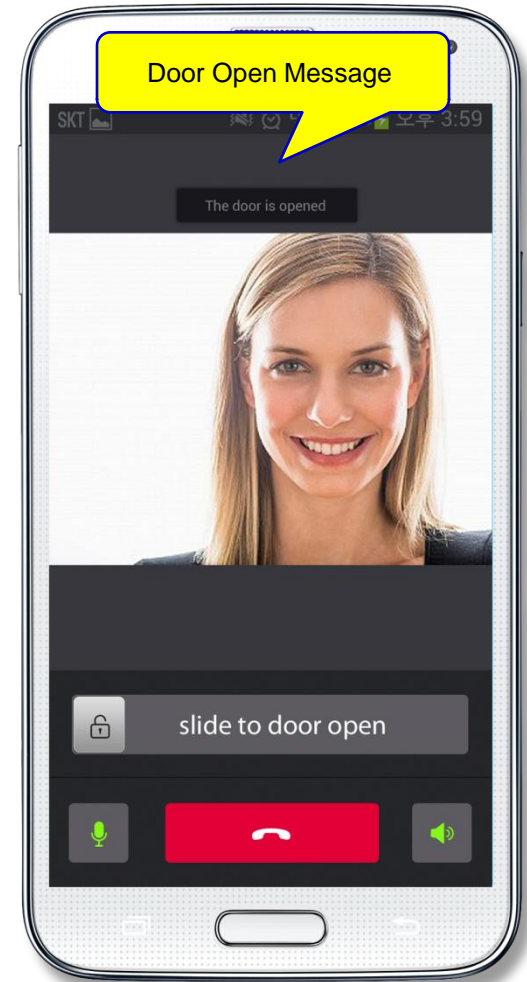
Visitor

slide to door open

Mute

Drop the Call

Speaker
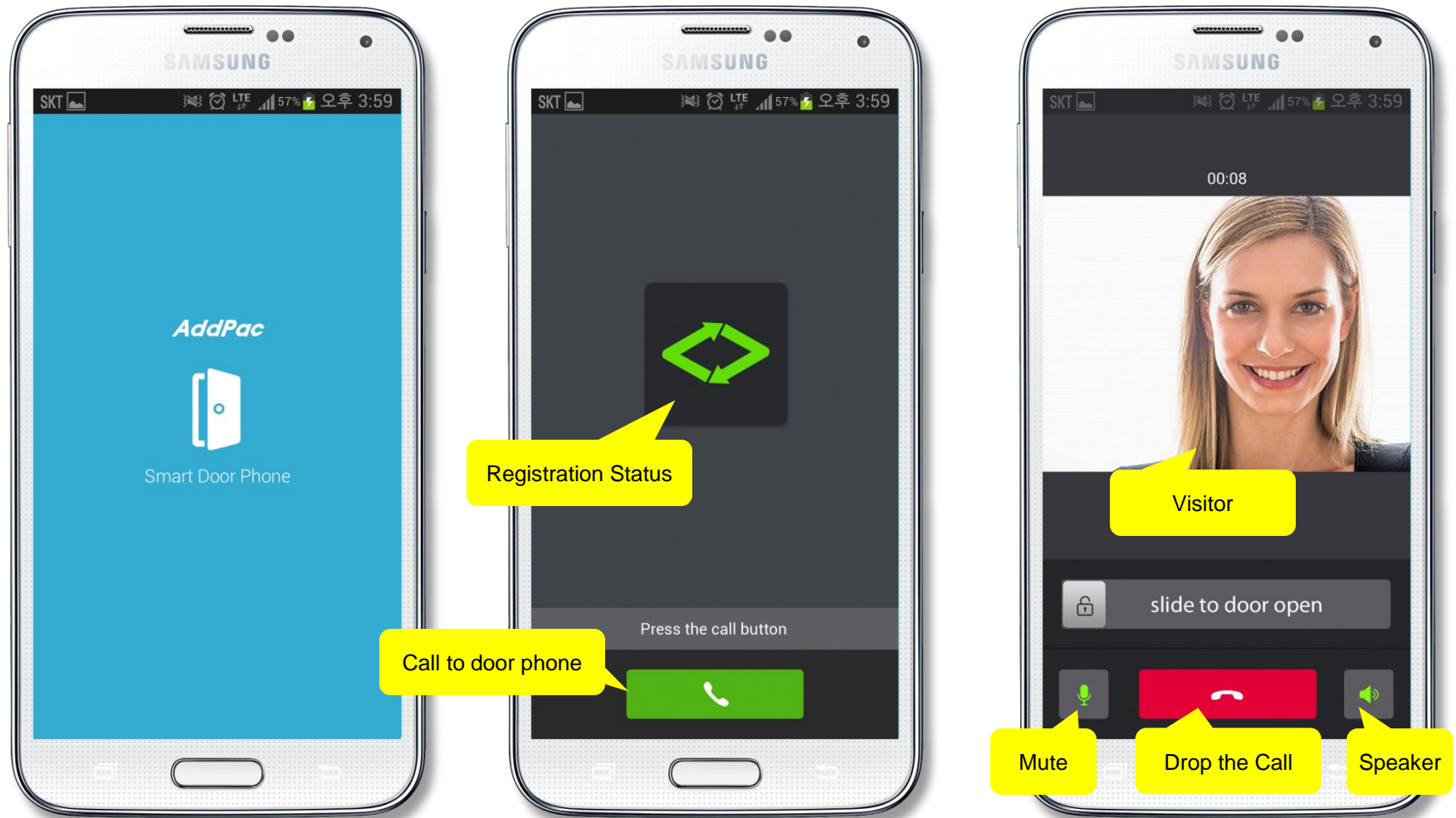
AddPac

Smart Door Phone App.
Main screen (landscape)

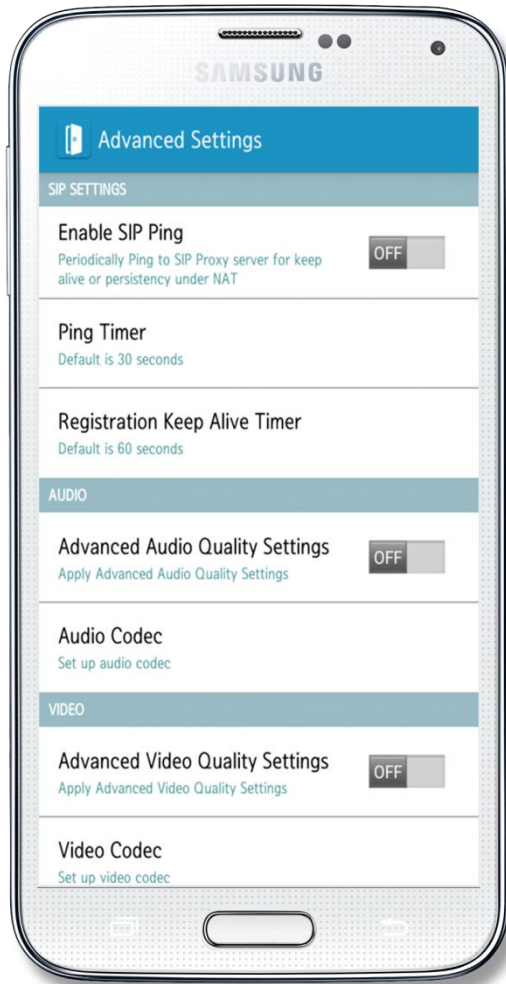

Visitor

slide to door open

Show Buttons by Touching Screen
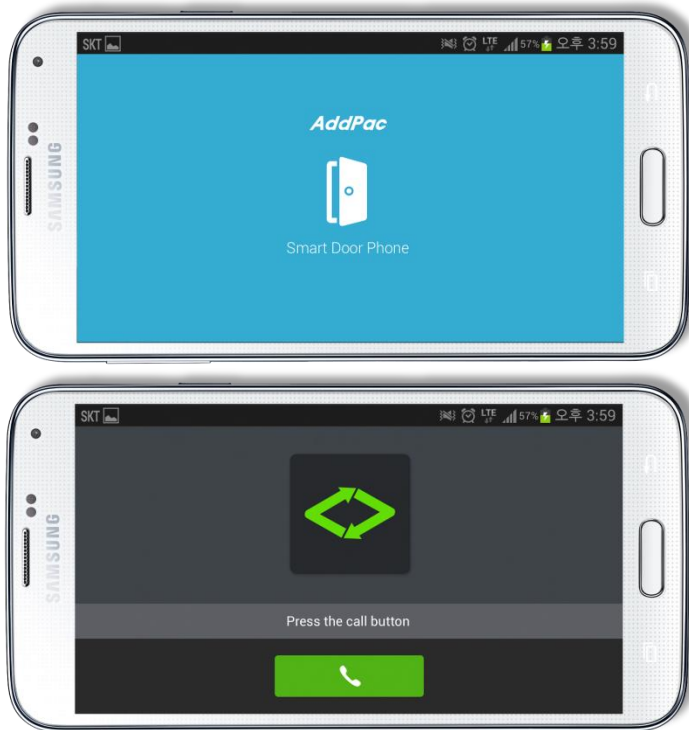
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Smart Door Phone App.
Main screen (open the door)

Slide to Open Door

Optionally Press Password

Door Open Message
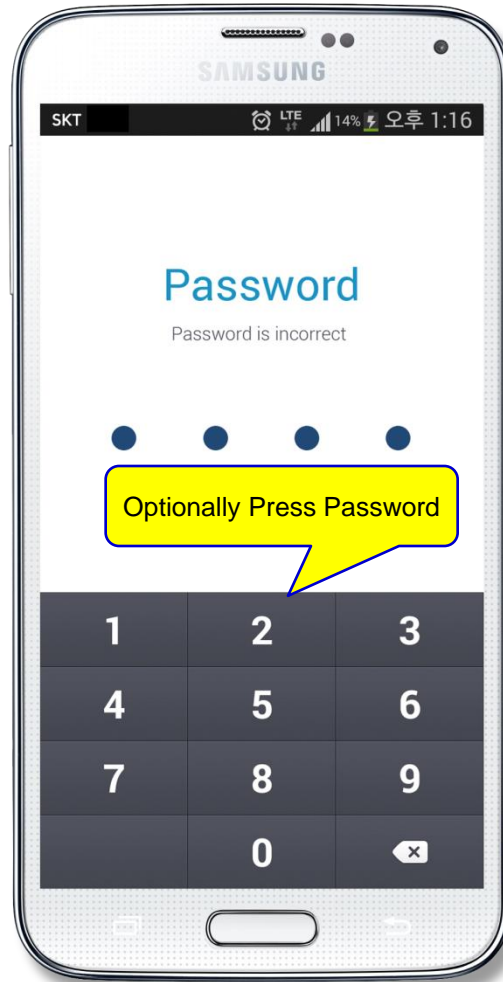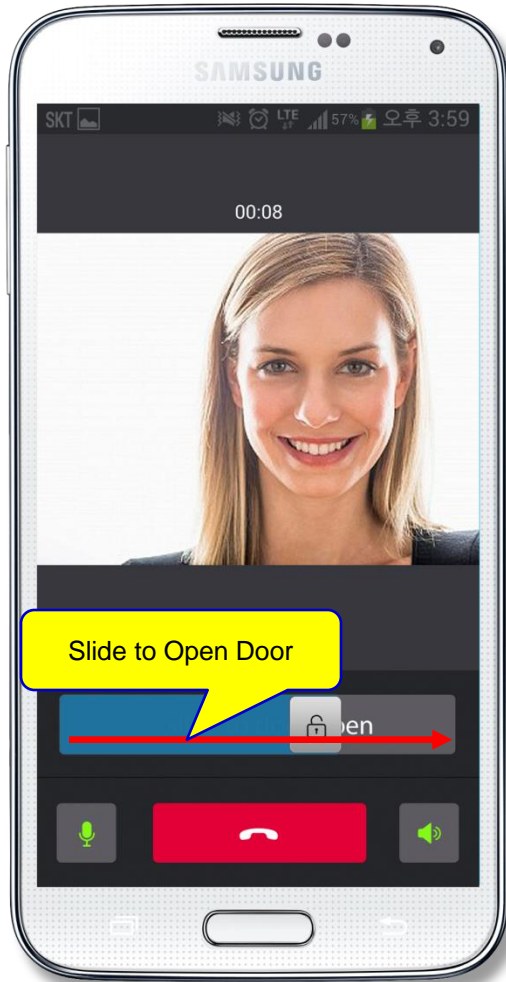
AddPac

Smart Door Phone App.
Application Settings
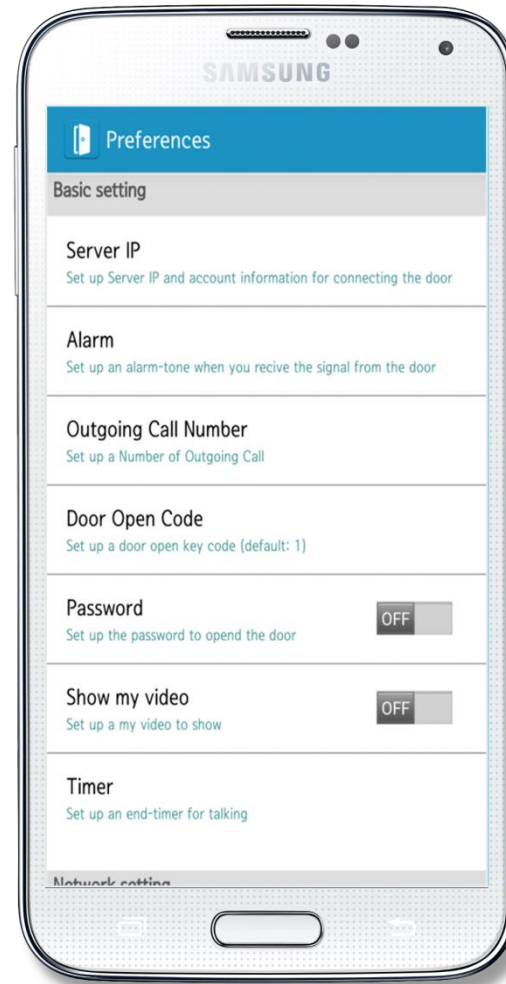
Thank you!

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