AP-TAC200 Time Attendance Door Access Controller

High Performance Time & Attendance Door Access Controller Solution





AddPac Technology

Sales and Marketing

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- Smart Web Manager
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Product Overview

AP-TAC200 Time & Attendance Door Access Controller

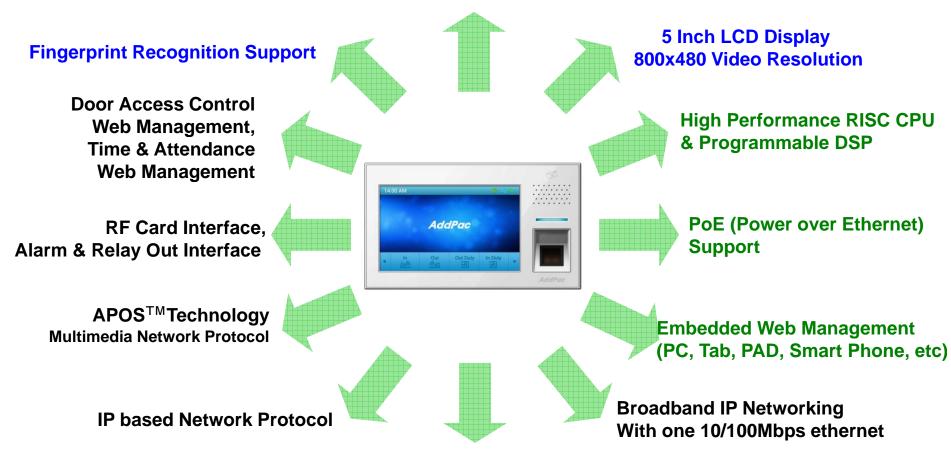
- Smart Time and Attendance Access Controller Solution
- High Performance Fingerprint Recognition Solution
- TFT Color LCD, Internal Speaker
- High Quality 5 Inch LCD, 800 x 480 Video Resolution
- RF Card Support
- One(1) 10/100Mbps Fast Ethernet
- PoE(Power over Ethernet) Support
- Powerful Network Protocols (PPPoE, DHCP, Static Routing, etc)
- Embedded Web based Management
- Master-Slave Mode based Multi-Terminal Support
- Smart Web Manager Support (PC, Tab, Smart Phone, etc)
- Smart Door Access Control Web Manager Support
- Smart Time and Attendance Web Manager Support
- Firmware Upgradeable Architecture



Product Highlights

AP-TAC200 Time & Attendance Door Access Controller

Smart Time and Attendance Controller

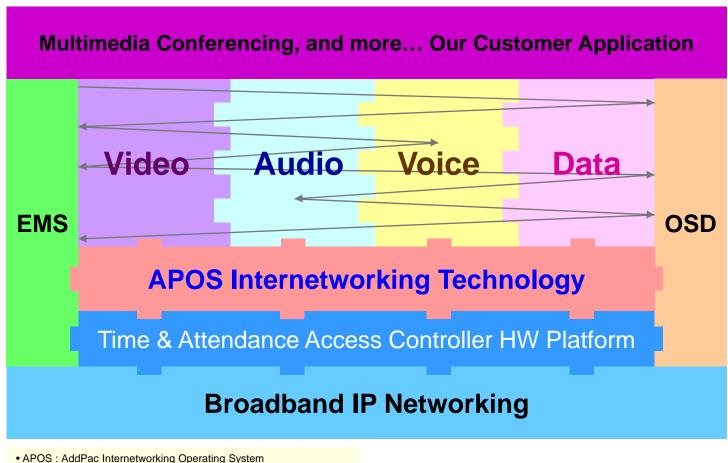


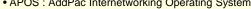
Touch Screen and Compact Chassis



Multimedia Service

AP-TAC200 Time & Attendance Door Access Controller





• OSD : On- Screen Display

• EMS: Element Management System



RISC High-end DSP

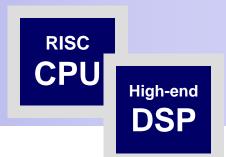
AP-TAC200 Time & Attendance Door Access Controller

- RISC+DSP Microprocessor Computing Power
- Audio and Voice Interface
 - Internal Speaker
- TFT Color LCD Interface
 - 5 Inch LCD, 800x480 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





AP-TAC200 Time & Attendance Door Access Controller



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

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

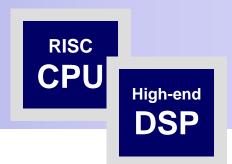
- 1-W BTL Output(5V, 0.11 % THD+N)
- Uncompensated Gains of 2 to 20 (BTL Mode)
- Thermal and Shot-circuit Protection
- High Supply Ripple Rejection Ratio

PoE(Power over Ethernet)

- IEEE802.3af compliant,
- Input voltage range 36V to 57V
- Short-circuit Protection



AP-TAC300 Time & Attendance Door Access Controller



RF Card Sensor

Protocol Supported

ISO14443A/B all bit rates

> 106,212,424 and 848 kbps

Compatible to MiFare Classic

ISO15693 all modes

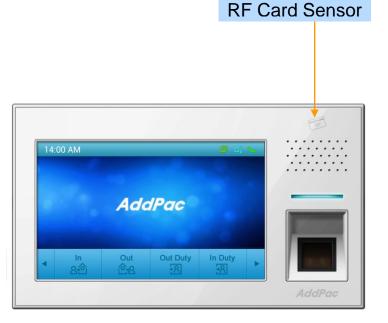
- > 1.65/6.6 & 26.5 kbps
- > Uplink 1 & 2 sub-carrier

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

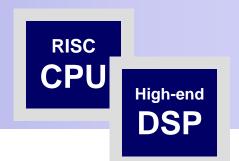
Transmitter

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





AP-TAC200 Time & Attendance Door Access Controller



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



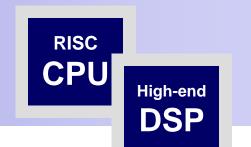


AP-TAC200 Time & Attendance Door Access Controller

Front Side

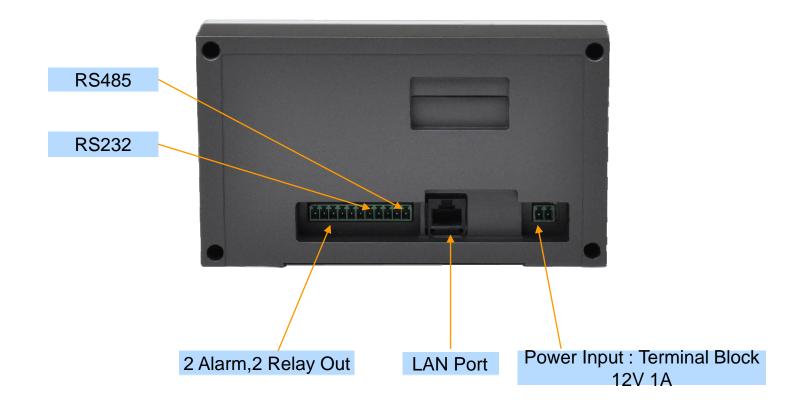






AP-TAC200 Time & Attendance Door Access Controller

Back Side







AP-TAC200 Time & Attendance Door Access Controller

High-end DSP

Power Supply



Example

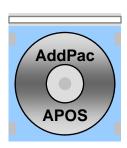




Software Service

AP-TAC200 Time & Attendance Door Access Controller

- Built-in AddPac APOS Internetworking Software
 - Scalability, Functionality, and Stability Features
- Firmware Upgradeable DSP Architecture
- OSD (On-screen Display) Function Support
- Industry Standard IP based Network Protocol Features
- Embedded Web Server
- Advanced Door Access Control Software





Smart Web Manager (Example)



Smart Web Manager

AP-TAC200 Time & Attendance Door Access Controller

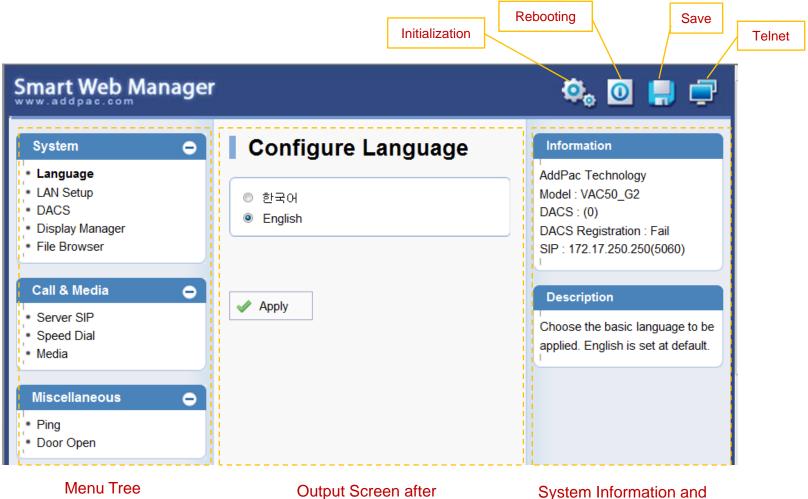
- Main Screen
- System
 - Language
 - LAN Setup
 - DACS
 - Display
 - File Browser
- Miscellaneous
 - Door Control and Test
 - Network Test





Smart Web Manager: Main Screen

AP-TAC200 Time & Attendance Door Access Controller

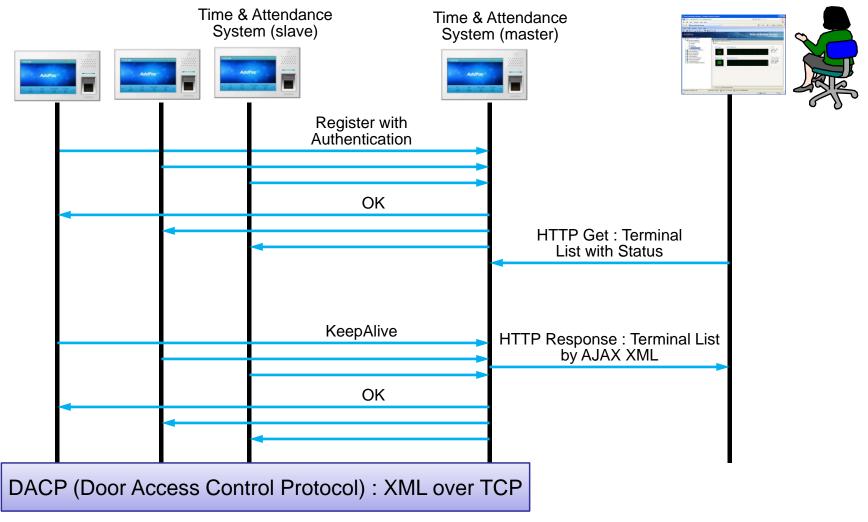




Output Screen after Menu Select System Information and Help Message

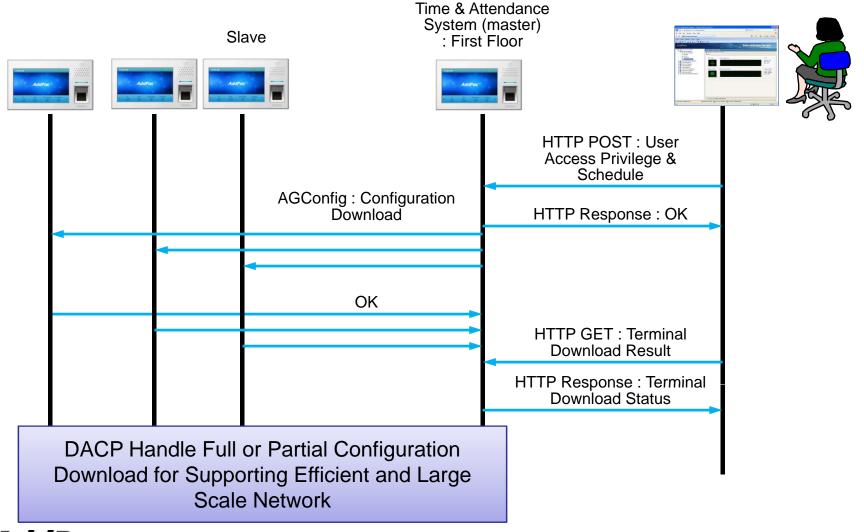


Registration and KeepAlive

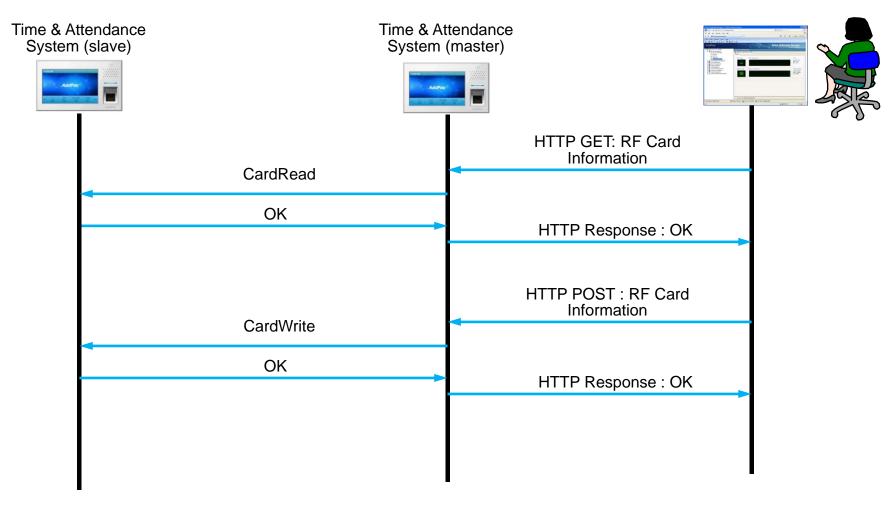


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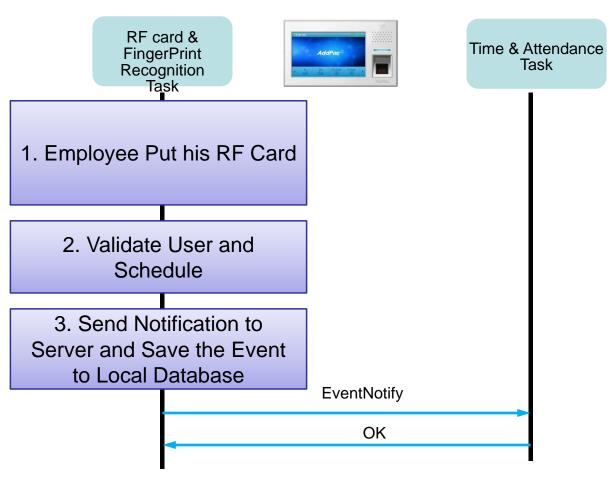
Access Privilege and Schedule Download



RF Card Read/Write and Registration



Door Open by RF Card





Door Access Control Manager for AP-TAC200



DACS (Door Access Control System)

Login page

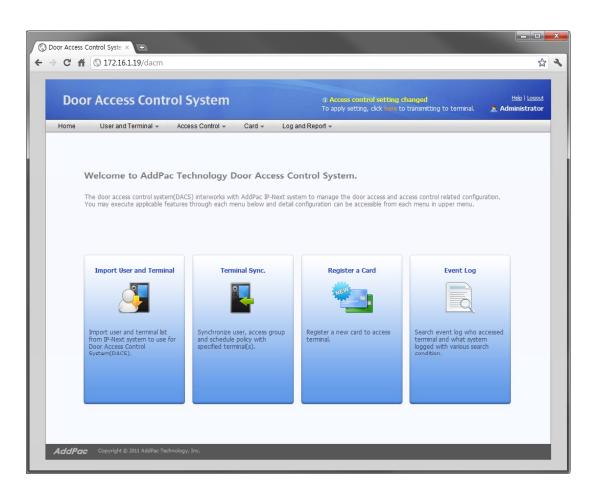




Door Access Control Web Manager Software (DACM)

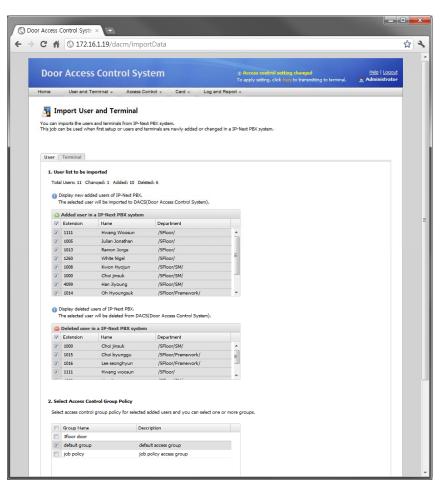


Main Web Page





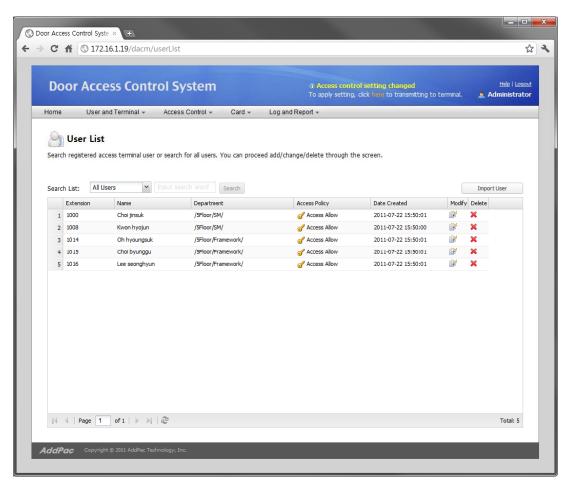
Import User and Terminal





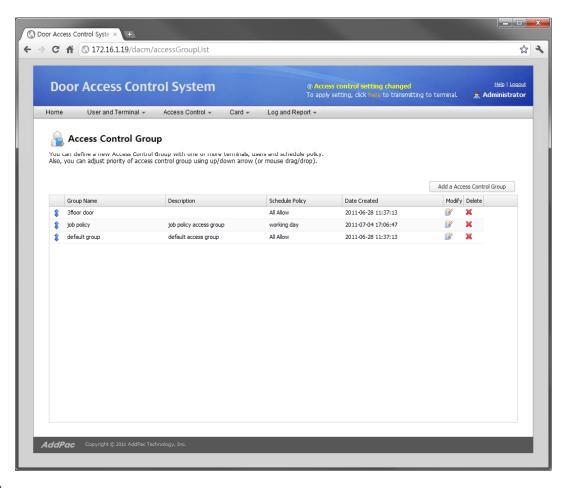
User List

User List



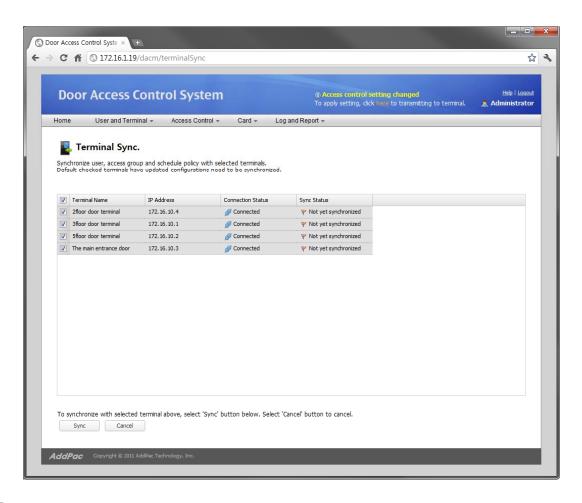


Access Control Group Management





Configuration Download to Terminal



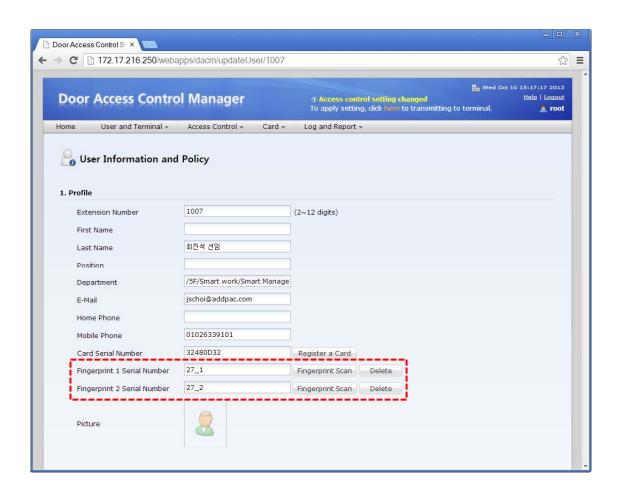


RF Card Management





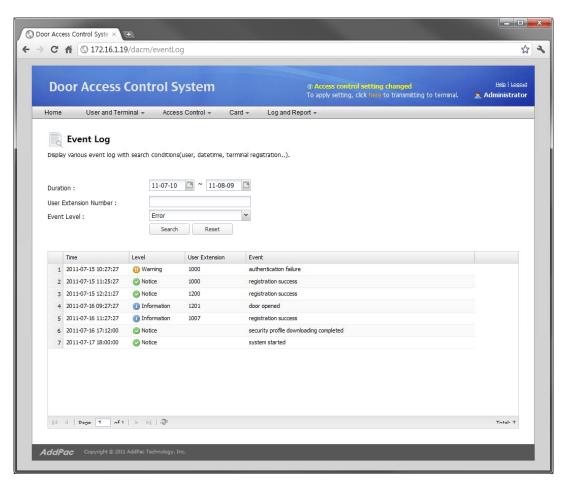
Fingerprint Management





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Access Log Management



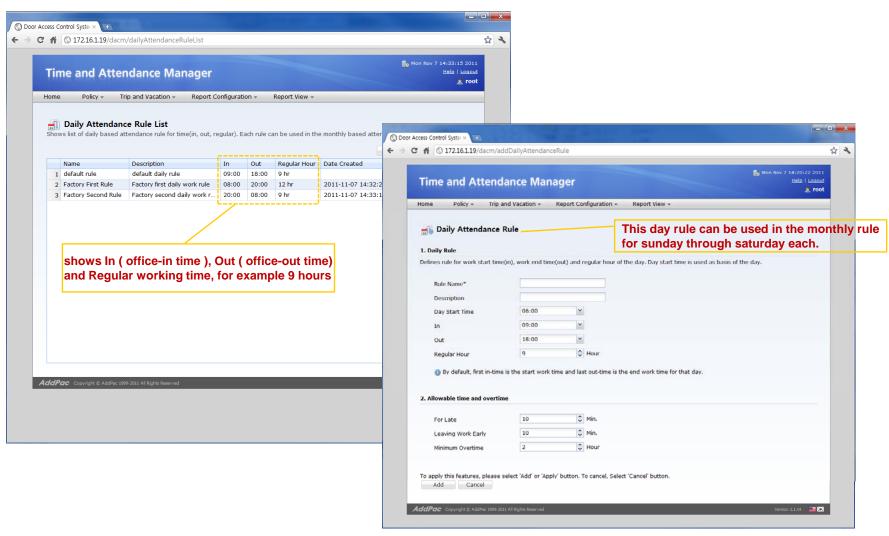


Time Attendance Web Manager Software (TAAM)



TAAM (Time and Attendance Manager)

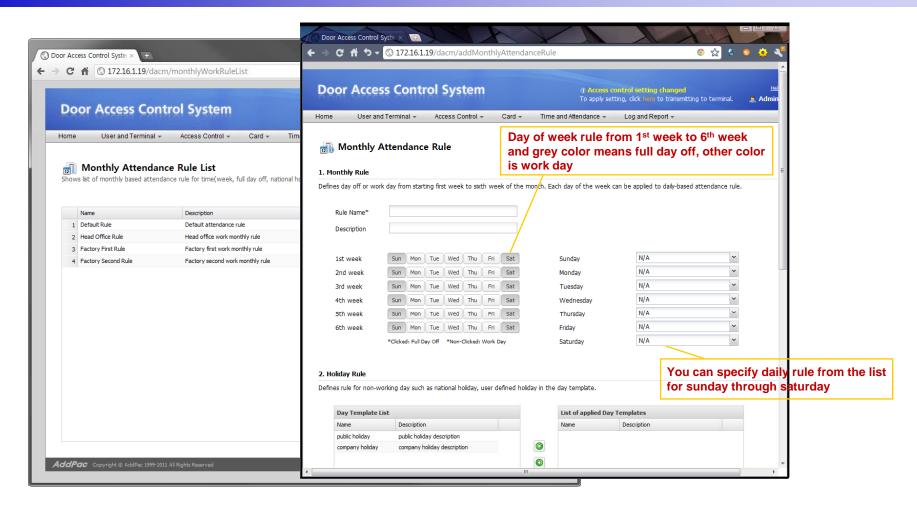
Daily Attendance Rules





TAAM (Time and Attendance Manager)

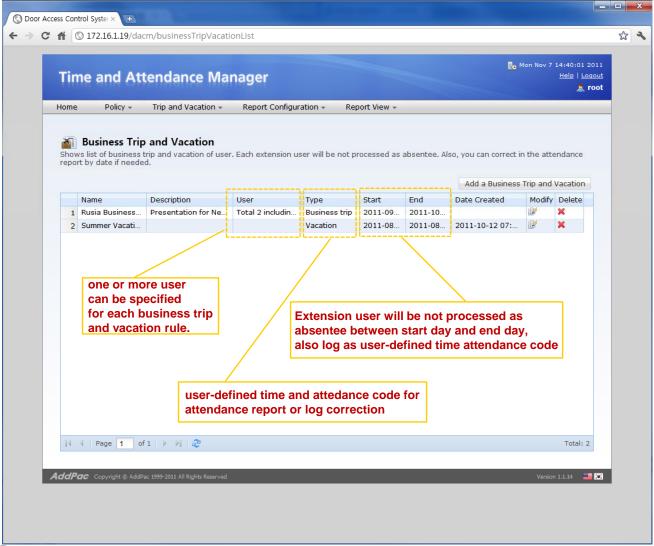
Monthly Attendance Rules



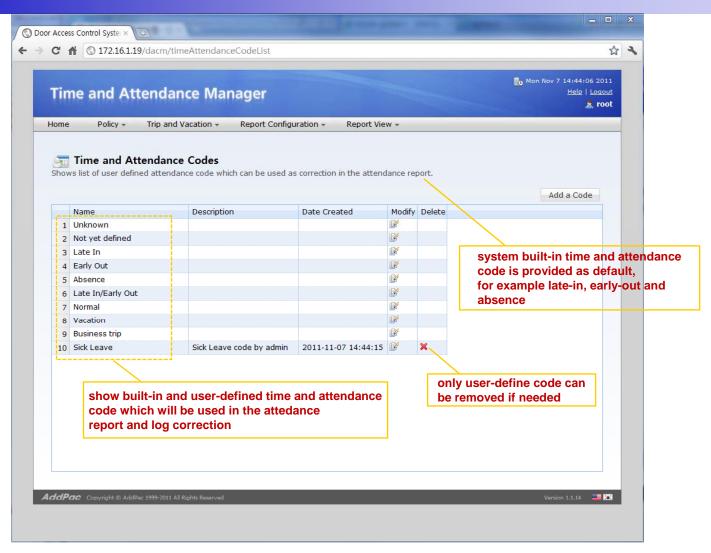


TAAM (Time and Attendance Manager)

Business Trip and Vacation

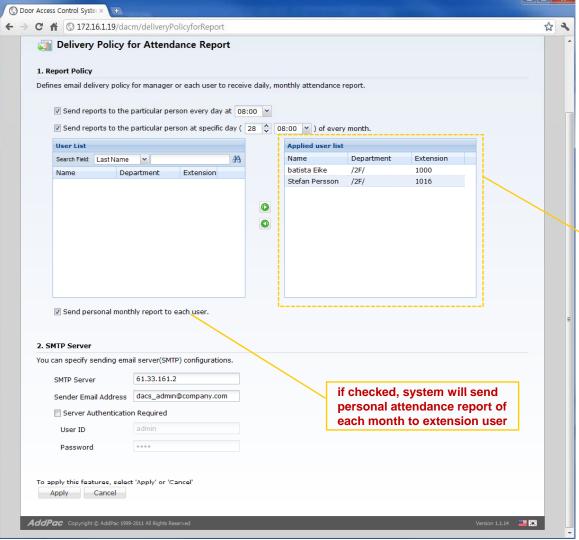


Time and Attendance Codes





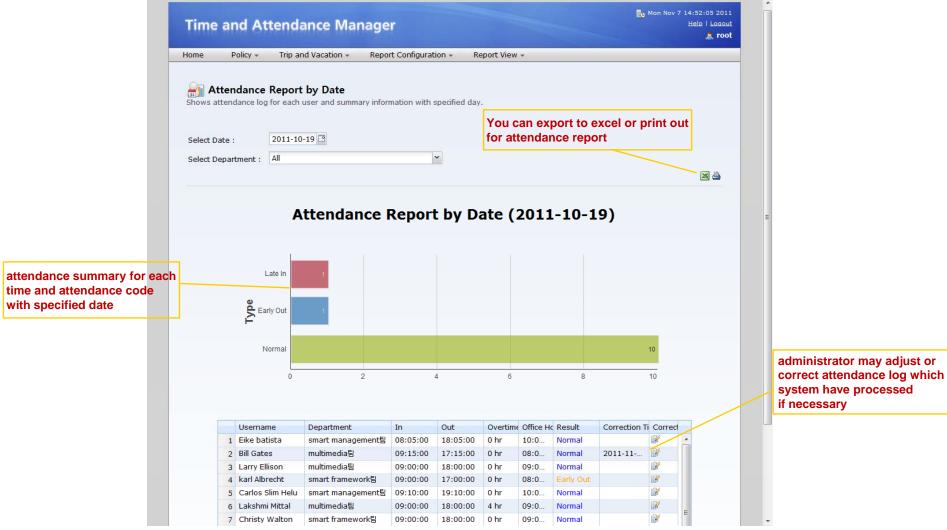
Delivery Policy for Attendance Report



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

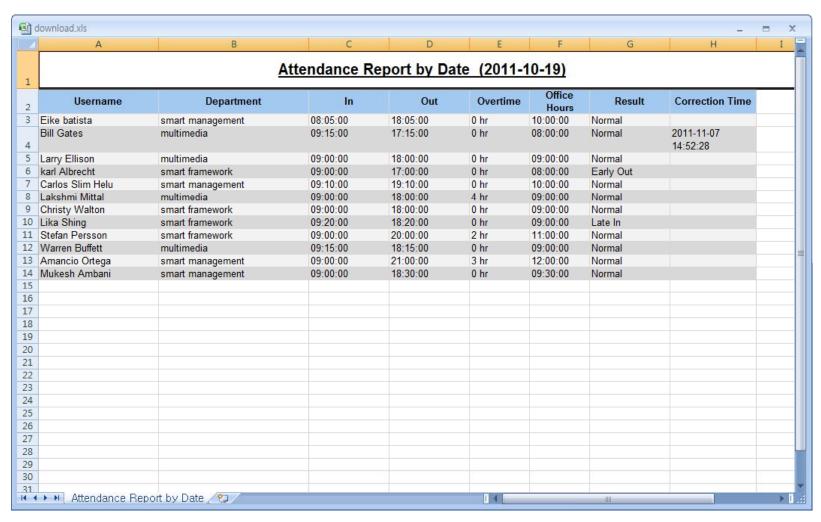


Attendance Report by Date



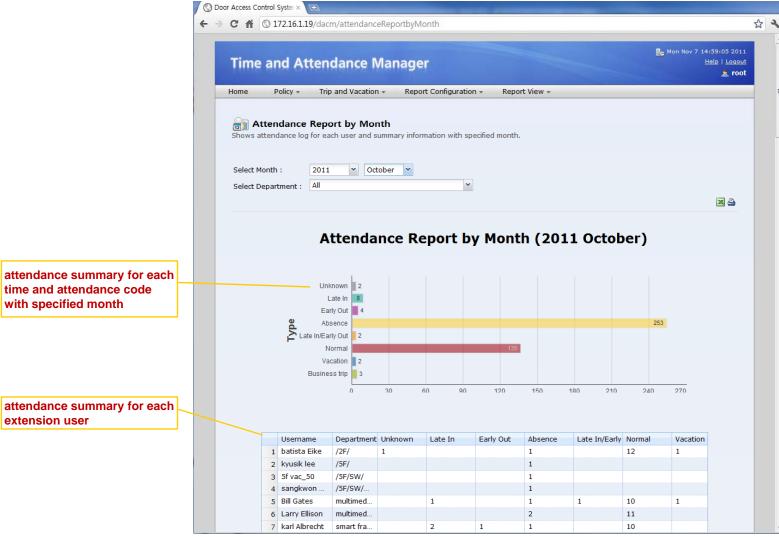


Attendance Report Excel Export



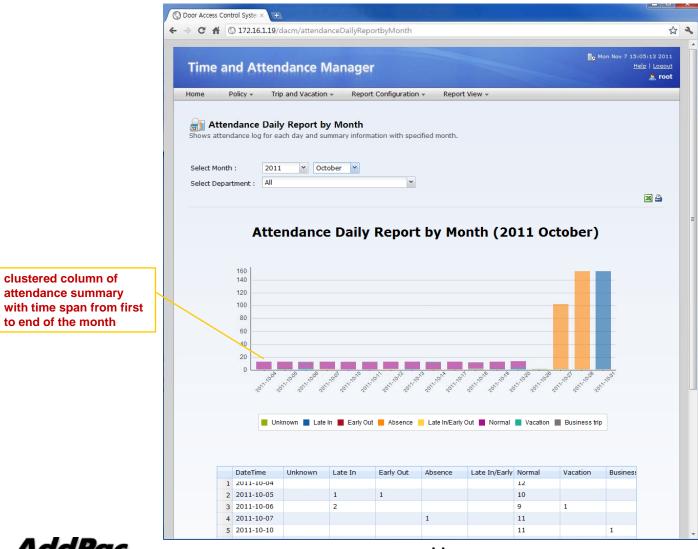


Attendance Report by Month



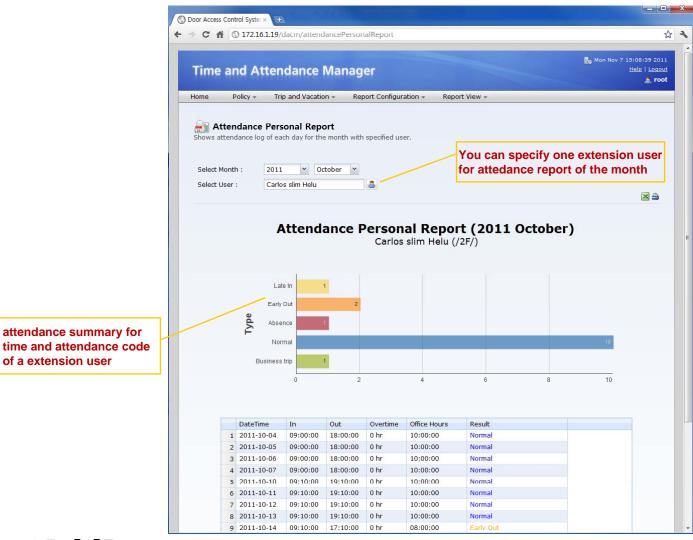


Attendance Daily Report by Month





Attendance Personal Report





attendance summary for

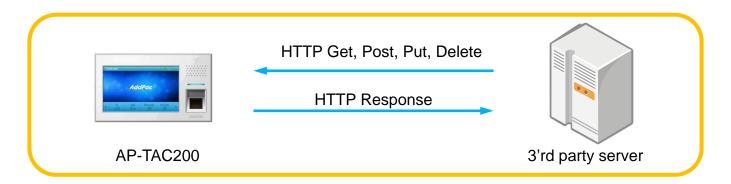
of a extension user

Open API



Open API

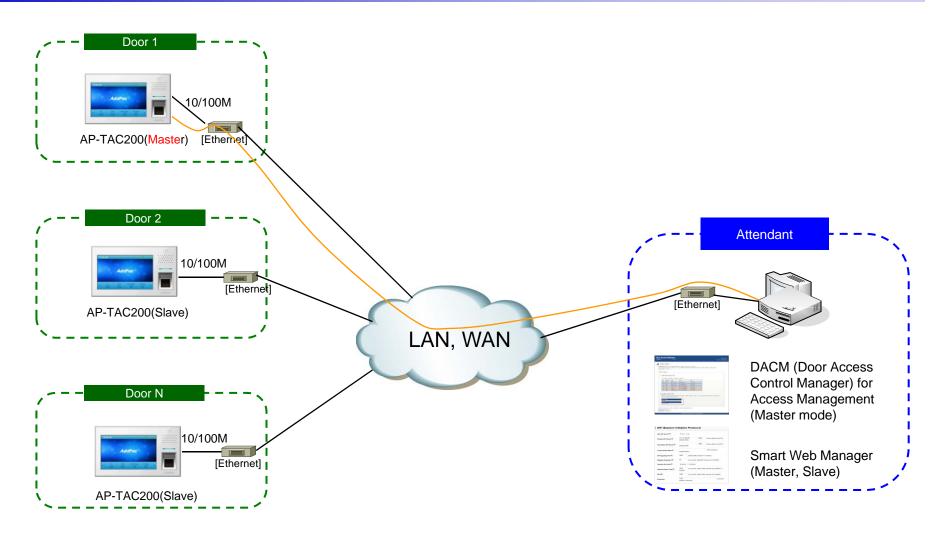
Open API for 3'rd Party Management System



- 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) ,...



Application Network Diagram





Ordering Information

- AP-TAC200 Time & Attendance Door Access Controller Hardware
 - AP-TAC200 Main Body
 - RISC Microprocessor with High-end Programmable DSP Architecture
 - 5 Inch LCD
 - Fingerprint Recognition, RF card Interface
 - Internal Speaker
 - 1-ports 10/100Mbps Fast Ethernet
 - PoE Interface
 - Including Network Cable Set & Ext. Power Supply, etc.
- Built-in APOS Internetworking Software for AP-TAC200
- Including 1 Year Hardware Warranty
- Product Documents
 - Install and Operation Guide (PDF)
- Pricing
 - AddPac Technology Regional Sales Manager
 - Authorized Sales and Marketing Representatives
 - Please Contact www.addpac.com



Thank you!

AddPac Technology Co., Ltd. Sales and Marketing

Phone +82.2.568.3848 (KOREA) FAX +82.2.568.3847 (KOREA) E-mail sales@addpac.com

