Wi-Fi & Embedded Web Server • Carmera • PoE

IDTECK 13.56MHz Secure and Credential
Smart Card & Fingerprint Time & Attendance / Access Controller

- Reads the Smart Card that encoded Fingerprint and ID
- Enhanced Access Status Verifications through Video Image
- Accurate Time Management by Preventing Buddy Punching
- Fake Fingerprint Detection : Auto on Function & LIVE Fingerprint Detection
- 12 Function Keys for Various Professional Time & Attendance Applications (Shift Management, Overtime, Breaktime, etc.)
- Protect against Security & Privacy Attack

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Security is Maximized as the Fingerprint is Stored on the Smart Card, Not in Fingerprint Reader

Fingerprint Recognition | RFID Reader & Card | Access Controller | Video Camera

IDTECK
Your Security Partner
SINCE 1989

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Key Features

- IDTECK 13.56MHz Secure and Credential Smart Card & Fingerprint
  - Reads the Smart Card that encoded Fingerprint and ID
- Built-In CMOS Color Camera
  - Enables to provide images and video clips by event and alarm
  - Enhanced Access Status Verifications through Video Image
- Operation Mode : RF Card(PIN/Fingerprint), RF Card(PIN)+Password/Fingerprint, RF Card(PIN)+Password+Fingerprint
- Communication : TCP/IP, DHCP or STATIC IP (Optional : Wi-Fi, PoE)
- Output Format : 26Bit Wiegand
- 5 inch full color TFT Touch screen LCD
  - Enables to see the Access Status Verifications through Video Image and compare the person with the registered photo at the site
- 4-State Supervised Input (On/Off/Short/Cut)
- 12 Function Keys for Various Professional Time & Attendance Applications (Shift Management, Overtime, Breaktime, etc.)
- Accurate Time Management by Preventing Buddy Punching
- Verify ID without Centralized Database
  - The advantage of using Smart card for Fingerprint Authentication is that the Fingerprint information of the user is stored in the Smart card
- Store your Fingerprint on your Smart Card
  - The identity can be verified without relying on a centralized storage of user database
- Protect against Security & Privacy Attack
  - As the user carries with user fingerprint information stored Smart card, this solves the problem of maintainining and synchronizing a central database, Scaling the system with increasing number of users and the need to protect the database and server from security attack as well as privacy concerns on the use of the biometric information
- Privacy Protection
  - Security is Maximized as the Fingerprnt is Stored in the Smart Card, not in the Device or Database Unlimited Fingerprint Users Registration
- High Security Level
  - The personal biometric data is stored inside the personal Smart card, which eliminates all possibility of personal data being exposed to the public and need for management of separate database or templates
- Able to Scan Fingerprint from Any Angle
- Fake Fingerprint Detection : Auto on Function & LIVE Fingerprint Detection
- Individual Configuration Setting per User : Time Schedule, Card Usage Expiration Date, Accessible Reader, Door Opening Time, etc.
- Standalone Operator without PC/Server Connection
- Built in Embedded Web Server
- ID Card Users / Event Buffers : 100,000 Users / 500,000 Events
- Compatible Software : IDTECK Standard Series, IDTECK Time Pro, IDTECK MOBILE 3S, IDTECK Enterprise TA Series
- Compatible Smart Card : ISC80B, ISK50B, IMC135B
- Compatible RFID Readers: SR10BE, SR30B, SRK101B, SR10VB, SR30VB, SRK101VB
- Standalone Controller (Fingerprint/ RFID) : XO100SRB, FINGER007SRB, SR505B
- Compatible Fingerprint Reader : LX006SRB, FINGER006SRB, FGR006SRB

* SRB products developed and manufactured by IDTECK are only compatible with SRB Series products

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Specification

Model		XO1000SRB
CPU		32Bit RISC Microcontroller (ARM-CORTEX A8, 1GHz)
Operating System (OS)		Linux 2.6
Memory	Program	256MB DDR2 SDRAM
	Data	512MB Flash Memory
	Storage	8GB MicroSD Card
Fingerprint User		Unlimited (Fingerprint Template and User ID are stored on Smart Card not Fingerprint Reader)
ID User / Event Buffer		100,000 Users (Including Fingerpring Registration) / 500,000 Events
Radio Frequency (RF)		13.56MHz
Read Range (Compatible Card Type)		ISC80B : Up to 4 Inch (10cm) ISK50B / IMC135B : Up to 2 Inch (5cm)
Reading Time (Card)		30ms
1:1 Verification Time		Less than 1 sec.
1:N Identification Time		Less than 2 sec.
Fake Fingerprint Detection		Auto on Function & LIVE Fingerprint Detection
Power / Current		12V DC / Max. 600mA
PoE (Power over Ethernet)		IEEE 802.3af (PoE) / Up to 15.4W (Max. 1A)
External Reader Port		1 EA : 26bit Wiegand (for Anti-Passback), 4/8bit Burst for PIN
Communication / Speed		TCP/IP, WiFi Dongle (Optional) / 10/100 Mbps
Wi-Fi Specification		EDIMAX - N150(EW7811Un)
Input Port		4 EA: Exit Button, Door Sensor, AUX#1, AUX#2 / 2 EA : OK-Input, Error-Input
Output Port		2 EA : 2 FORM-C Relay / DC12V ~ 18V, Up to 2A / 2 EA : TTL Output (+5VDC), Max. 20mA 1 EA : 26 Bit Wiegand
Function Key		12 Function Keys for Various Professional Time & Attendance Application
USB Port		1 EA : USB 2.0 HOST (Utilized for Firmware Upgrade and connecting WIFI Dongle)
Camera		Built-In CMOS Color Camera (1.3 MP)
Storage	Image	Image (400 x 400 / JPEG): Stores up to 32,768 Images
	Video	Video (400 x 400 / 30FPS) : Stores up to 2,500 Videos
LCD		TFT Color Touch LCD (800 x 480, 5inch, 16.7K)
Language	LCD Display	English (Default), Korean, User-Defined
	Voice Output	English (Default)
Operating Temperature / Humidity		0°~ +50°C (32°~ +122°F) / 10% ~ 90% Relative Humidity, Non - Condensing
Color / Material		Black, White / Polycarbonate
Dimension (W x H x T) / Weight		170 x 180 x 40mm (6.69" x 7.09" x 1.57") / 520g (Without Bracket), 1.15LBs (Without Bracket)
Certification		FCC, CE, RoHs

Fingerprint Module Specification

Sensing Type	High Quality Optical Sensing	FRR	0.1%
Sensing Area	13.2 x 15.2 mm	FAR	0.001%
Image Resolution	500 DPI		
Image Size	248 x 292 pixels		

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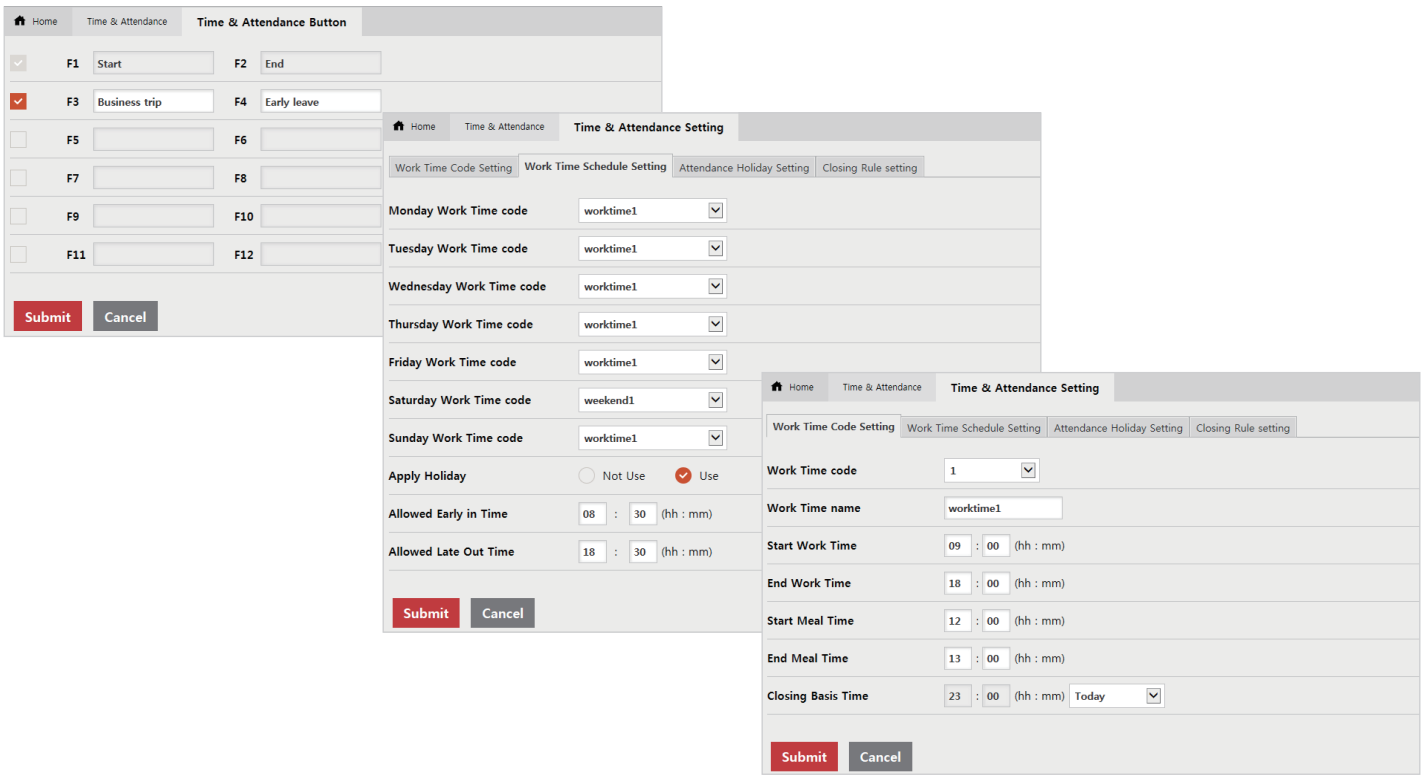
Embedded Web Server

- Various Configuration Setting via Web
- Operation without Installation of Management Software

• ID Registration up to 100,000 Users / Event view to 500,000 Events
• Device LCD Setting
(Logo TEXT, Notice, ID Display, Name Display, ID OK Message TEXT, ID Error Message TEXT)
• Time&Attendance Management
- Function keys can be configured freely by users (ex: business trip or early leave)
- Work Hour Setting
- Work Schedule Setting
- Attendance Holiday Setting
- Daily/Monthly Closing Rule setting
• Event Management
- Events such as normal, alarm or any recent events can be checked
• In/Output Management
- Door Output Time Setting
- Tamper Alarm / Input Cut Off Alarm / Duress Alarm / ARM & DISARM Output Setting
• Access Card & Time Schedule Management
• Daily START/END Time Report / Monthly Total Work Time Report
• Time & Attendance Report .csv file format download



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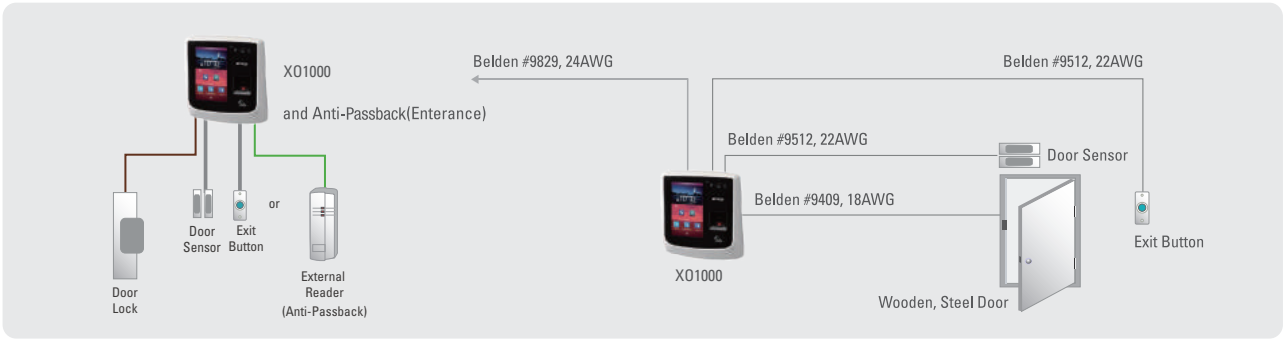
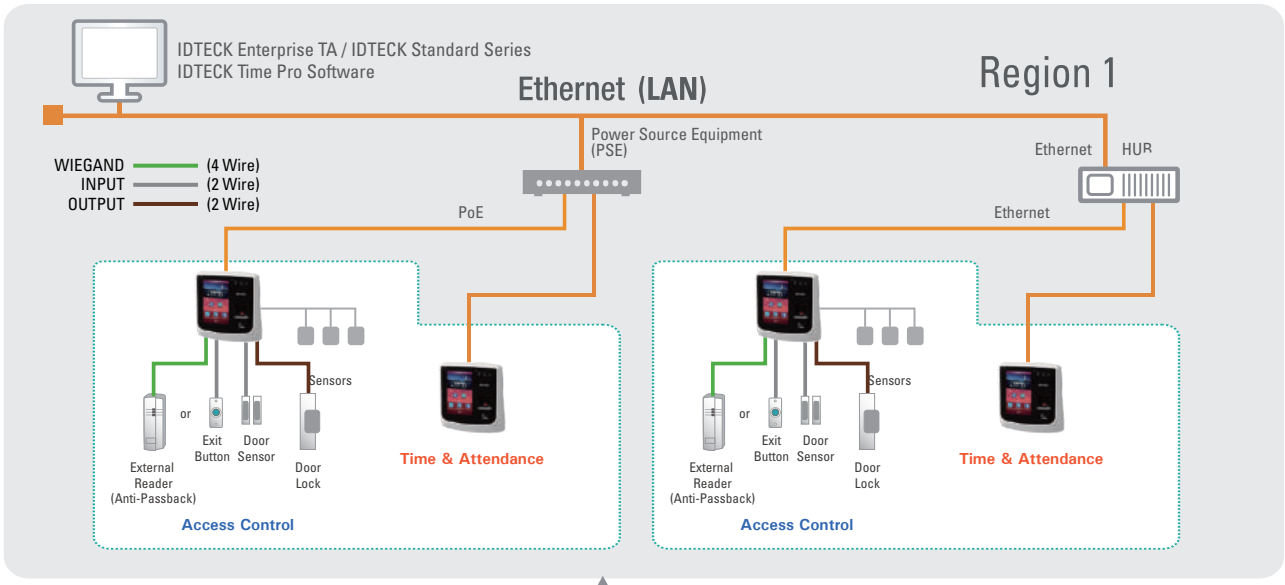
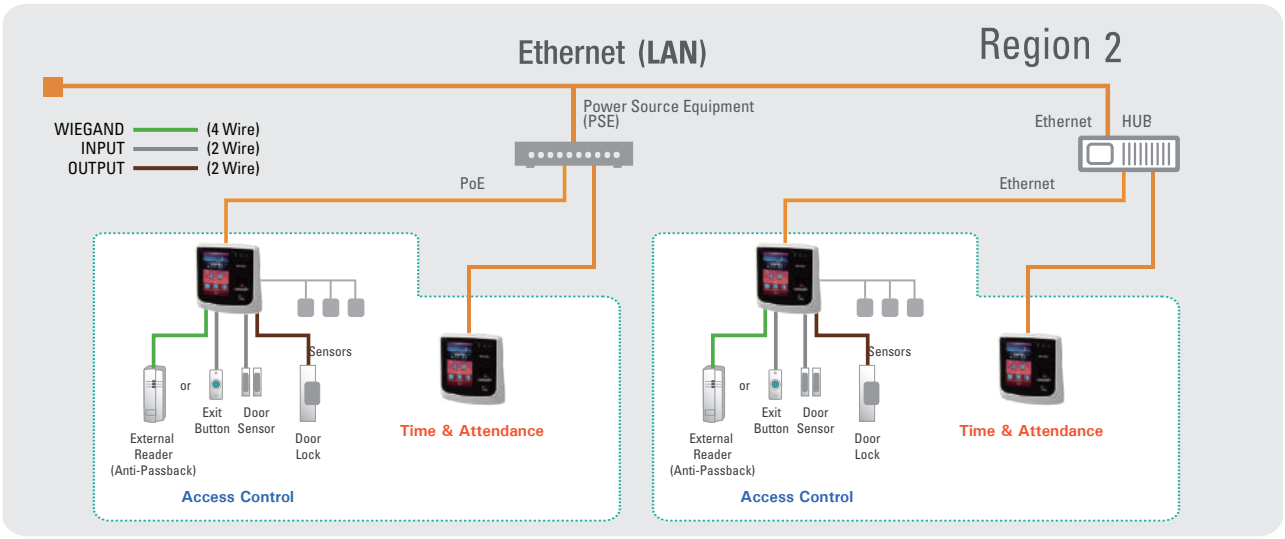
Standalone Configuration







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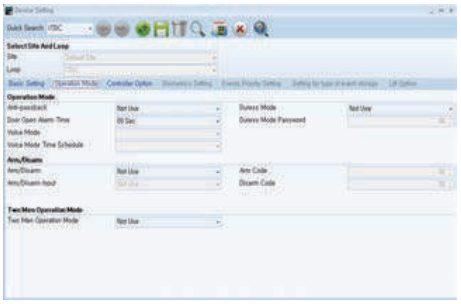
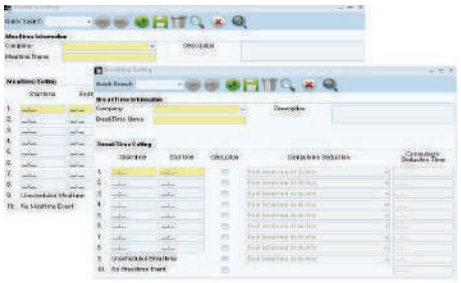
Application & Compatible Software

- **Application : Access Control, Time & Attendance**
- **Compatible Software**

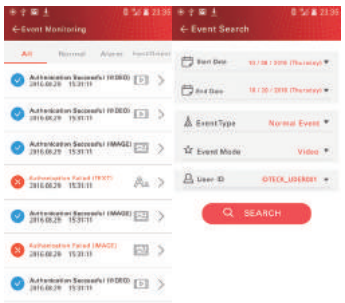
IDTECK Standard Series



IDTECK Enterprise TA Series



IDTECK Time Pro



IDTECK Mobile 3S

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