Fingerprint Stored
SMART CARD Standalone Controller

- **Security is Maximized as the Fingerprint is Stored in the SMART Card**
- **Professional Time & Attendance + Access Controller**
- **Multiple Authentication Capabilities (SMART Card + Fingerprint, SMART Card + PW + Fingerprint)**
- **Up to 100,000 Registrable IDs**
- **Communication via Ethernet, RS485, RS232**
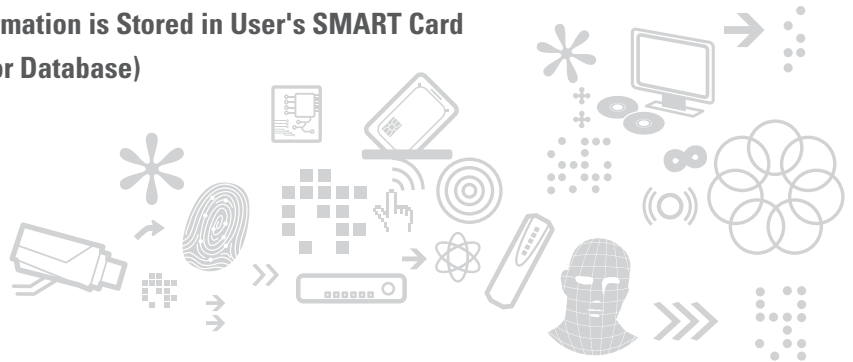- **PoE (Power over Ethernet) Capable**

MAC1000SRB

Enhanced Access Status Verifications with built-in Camera to store Visual or Video Images / DVR Interface

Fingerprint Stored
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MAC1000SRB

KEY FEATURES

• Enhanced Security System through Video Image
  Accurate Time Management by preventing Time Theft / Buddy Punching

• Professional Time & Attendance / Access Controller

• Standalone Operation without PC / Server Connection

• Windows CE Operating System Applied for Higher System Performance and Stability

• Visual Image or Video of Access Status

• Visual Image (640x480 / JPEG): Store Up to 6,000 Images

• Video (640x480 / 15 Frames per Sec): Stores 200 / 500 / 1,000 Videos for 3 / 5 / 10 Sec. Duration

• Data Transmission using Encrypted Algorithm

• Anti-Passback, Arm / Disarm, Duress Mode, 2-Men Operation Function

• Alerts when Door Opening Time Exceeds and Forced Door Open

• Advanced Security Time Schedule Configuration

• Configuration Setting per ID
  (Time Schedule, Card Usage (Authentication Mode), Expiration Date, Accessible Reader,
  Door Opening Time, etc.)

• Allows Registration of 10 Administrator using the Fingerprint

• 4-Status Input Check (On / Off / Short / Cut)

• Identifies Card that has been issued by PRG2000SRB Card Programmer
  (ID and Fingerprint Template Encrypted into Smart Card)

• Maintains High Security as the Card cannot be Duplicated without Data Sector and
  Secure Key Information

• Protects User Privacy as Encrypted Fingerprint Information is Stored in User's SMART Card
  (Fingerprint Information is not stored in the Device or Database)

• Compatible Software: IDTECK STANDARD
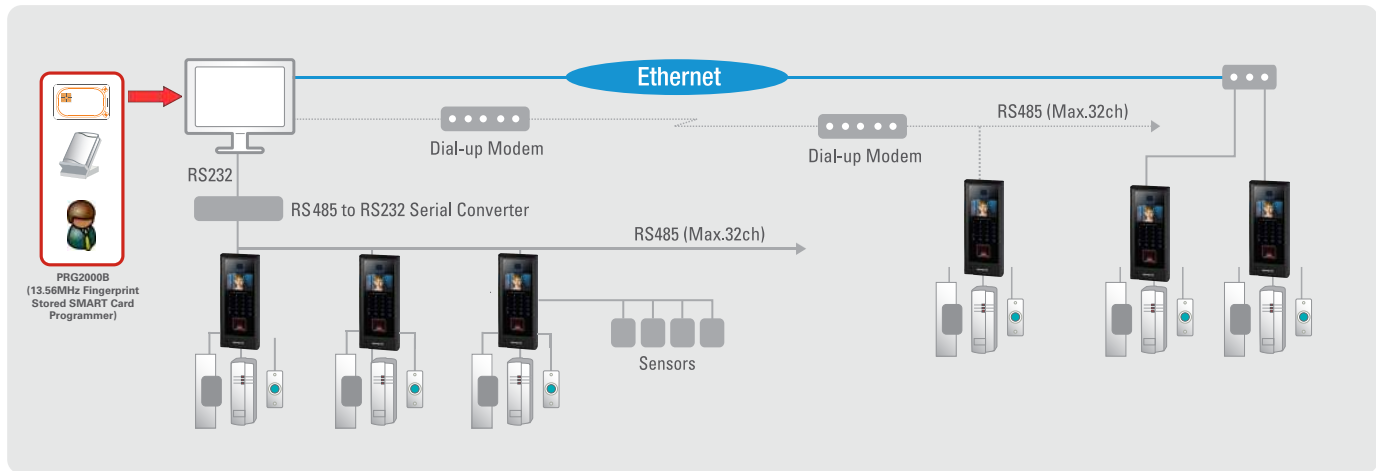   IDTECK TIME PRO

IDTECK
Your Security Partner

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MAC1000SRB

* Specification

Model	MAC1000SRB
CPU	32 Bit ARM11 Processor
OS	Microsoft Windows CE 6.0
Memory Program	256MB DDR SDRAM
Data	128MB Flash Memory
Storage	2GB
Fingerprint Registration	Protects User's Privacy as Encrypted Fingerprint Information is Stored in User's SMART Card Up to 4 Fingerprint Templates (Using PRG2000B Programmer Kit)
User IDs / Event Buffers	100,000 Users / 500,000 Events
Radio Frequency	13.56MHz (MIFARE®, ISO14443 Type A) SMART Card
Reading Range	ISC80 (4K): Up to 10cm
Card Reading Time	30ms
1:1 Verification/1:N Identification Time(Fingerprint)	Less than 1 Sec. / Less than 2 Sec.
Power / Current	DC12V (or PoE) / Max. 800mA *PoE (IEEE802, 3af compliant:12V/1A)
External Reader Port Communication/Communication Speed	1 EA : 26 Bit Wiegand, 4/8 Bit Burst for PIN for Anti-Passback Ethernet (10/100 Mbps)
Input Port	4 EA : Exit Button, Door Sensor, AUX #1, AUX #2
Output Port	2 EA : 2 FORM-C Relay Output (COM, NO, NC) / DC 12V ~ 18V, Rating Max. 2A, 2 EA : TTL Output / DC5V, Rating Max. 20mA
	1 EA : Video Signal for DVR
	1 EA : 26Bit Wiegand
USB Port	2 EA : USB 1.1 Support
Camera / LCD	NTSC : CCD Color Board Camera (Total Pixel:410K)
	PAL : CCD Color Board Camera (Total Pixel:470K)/TFT Color(16.7M) LCD(320x240)
Language LCD Display/Voice Output	English (Default), Korean, User-Defined / English (Default)
Keypad/Operating Temperature	20 Numeric Keypad (Includes 4 Function Keys) / 0° ~ +50°C
Operating Humidity	10% ~90% Relative Humidity, Non-Condensing
Color/Material/Dimension(WxHxT)	Black / Polycarbonate / 104 x 290 x 51.8mm
Certification	FCC, CE, KCC, RoHS, UL
Fingerprint Module Specification	
Resolution	500 dpi
Capture Image Size	640 x 480 pixels
Extract Image Size	260 x 300 pixels
Sensor Area	15 x 18.5mm
Scanner	High Quality Optical Sensor
ESD Tolerance	±8 KV
FAR / FRR	0.001% / 0.1%
Time Schedule	

Time Interval	10	Holiday Code	100
Time Code	5	Holiday	10

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PRG2000B Programming Kit

System Features

• Programs Encrypted ID and Fingerprint
Template Information on the SMART Card
(400 Bytes for 1 Fingerprint Template)
- 1K MIFARE® Card: Stores 1 Fingerprint Template
- 4K MIFARE® Card: Stores up to 4 Fingerprint Template
• Security is Strengthened as Access Key Encrypted by the User or IDTECK is used in Writing the ID Number on Certain Sector or Block
• Allows Facilitation of Large Number of Fingerprint Users regardless of Maximum Capacity of Fingerprint Users (Since the Fingerprint Template is Stored in the SMART Card, it can Facilitate Users up to the Maximum Capacity of ID Users

Contents of PRG2000B Kit

PRG2000B (1EA) / Holder (1EA), FGR006SRB (1EA), Adapter (1EA) / Cable (1EA) (110V/220V AC, 12V DC, 1A), SMART Card (5EA) (MIFARE®/1KB), FINGER PRO (1EA), SOFTWARE CD (1EA)

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