ASK Format Proximity Card Reader

iPASS

IP10 / IP20 / IP30
IPK101
IP-FINGER007
IP-505R
IP-100R
IP-RFL200

IP10 IP20 IP30 IPK101

Key Features

IP10 / IP20 / IP30

- Reading range : IP10/IP20 - Up to 4"(10cm)
  IP30 - Up to 12"(30cm)
- Wiegand, RS232, ABA Track II magstripe(Optional) format available
- Metal door frames Mullion(IP10), and Wall mount (IP20)
- Weather Proof
- ASK(EM) Format
- Solid Epoxy potted
- Reverse power polarity protection

IPK101

- Up to 4"(10cm) read range
- User format available
- ASK(EM) Format
- 26bit Wigand, RS232, ABA Track II magstripe (Optional) format with 8 bit burst or 3x4 matrix output available
- 3 LED indicators
- Back lighting on Keypad

IP-FINGER007

- Fingerprints & Proximity Single Access Controller, ASK(EM) Format
- Dual function for Access Control and Time & Attendance
- 720 Fingerprints holders / 26,000 Event buffers (2,000 / 4,500 Fingerprints optional)
- Standalone/Network communication via RS232/RS422 (Max. 32ch), TCP/IP (Converter Required)
- RF Only, RF+Finger, PIN+Finger, PIN+PIN+Finger
- Dual Finger Registration
- Independent 4 inputs /4 output including
- External reader port for Anti-pass back operation
- Heavy Protection from scratch and ESD
- Dual Tamper Switches

IP-505R

- Single door Access Control, ASK(EM) Format
- Dynamic Control of memory up to 10,000 Card Holders / 7,250 Events
- Built-in 4"(10cm) RF Reader
- Standalone / Network communication via RS232/RS422 (Max. 32ch) and TCP/IP (Converter Required)
- RF Only, RF+PIN (4 digit), PIN Only (4~6 digit)
- Independent 4 inputs and 4 outputs including 2 output relays
- External Reader port for Anti Pass Back operation
- 10 Time codes and 10 Holiday codes
- Dual Tamper Switches

Specifications(IP-RFL200)

Read Range	IPC170	4 inch (10cm)
	IPC80	4 inch (10cm)
Reading Format / Reading Time		ASK / 30ms
Card Holders		Max.512 including Master
Door Open Time		5 sec (RFL200), User Adjustable (RFL100C/200C)
Lock Select Input		Power Fail Safe or Power Fail Secure Locks
Exit Button Input		Exit input 1 each
Proximity Reader		125KHz, 10cm Reader including
LED / Buzzer		2 color LED (Red and Green), Piezo Buzzer
Power		DC 12V, 150mA
Operating Environment		-35°C~65°C(-31°F~149°F), 10 ~ 90% RH

Specifications(IP10/IP20/IP30/IPK101)

		IP10 / IP20	IP30	IPK101
Read Range	IPC170	4 inch (10cm)	12 inch (30cm)	4 inch (10cm)
	IPC80	4 inch (10cm)	12 inch (30cm)	4 inch (10cm)
Reading Time / Reading Format		30ms / ASK		
Keypads		No		12 Numeric Keypad with Back Lighting
Input voltage / Current		DC12V, Max. 150mA (@DC12V RS232 output)	DC12V, Max. 250mA (@DC12V RS232 output)	DC12V, Max.150mA
Output format		26 bit Wiegand, RS232 and ABA track II magstripe(Optional) format		Wiegand, RS232, ABA track II magstripe (Optional) with 8 bit burst or 3 x 4 matrix format
External Buzzer control Input		Low active, DC0~5V, max. 50mA Impedance 10k ohm		
External LED control Input		Low active, DC0~5V, max. 50mA		
LED / Buzzer		2 color LED (red and green), Piezo Buzzer		3 LED (Red, Green, Yellow)
Operating Environment		-35°C ~ +65°C (-31°F ~ 149°F), 10% ~ 90% RH(Non-Condensing)		

IP-100R

- Standalone type single door controller
- 512 card holders
- Built in 4"(10cm) ASK(EM) Format proximity reader
- Operation mode selectable RF only,
  RF+PIN (4~6digit), PIN Only(4~6 digit), RF or PIN
- Standalone or communicate via RS232
- Independent 5 inputs and 4 outputs including 2 output relay
- Setting for safe/secure mode
- Try-out error alarm
- Back lighting on Keypad
- Optional 4ch voice auto-dialer
- Automatic mode change available by schedule
  - Daytime: RF Card only mode
  - Nighttime: RF card + P/W mode
- Toggle Mode for Door Opening/Closing
- Function for Lock Control by Door Contact Switch
- Chime Bell available
- Dual Tamper Switches

IP-RFL200

- Controller+RF Reader ASK(EM) Format 10cm read range
- 512 Card holders including one master card
- Standalone
- Power Fail Safe or Power Fail Secure locks Selectable
- Solid Epoxy potted (Weather proof)
- Direct control of door lock

Specifications(IP-505R/IP-FINGER007)

		IP-505R	IP-FINGER007
CPU		Dual 8bit Microprocessor	32bit Strong ARM and Dual 8bit Microprocessor
Memory	Finger Module		Program Memory : 8KByte ROM Data Memory : 128KByte/256KByte/512KByte Flash Memory
	Controller	Program Memory : 64KByte Byte ROM Data Memory : 128KByte SRAM(Battery back up)	Program Memory : 64 KByte Flash Data Memory : 512KByte SRAM(Battery back up)
Fingerprint Template			720/2,000/4,500 Fingerprint Templates
User/Event		User Define ID : 500~10,000/Event : 2,500~7,250	4,500/26,000
Reading Time/Reading Format		ASK 30ms	Card(30ms), Fingerprint (less Than 1 sec) ASK
RF Reader		Built-in 4"(10Cm) 125 KHz RF reader	
External Reader Port(125KHz)		1 Reader port (26bit Wiegand, 8bit Burst)	1 Reader port (26bit Wiegand, 8bit Burst)
Input/Output Ports		Input: 4EA (Isolation) Output : 2EA of Form-C relay(Com, NO, NC) Rating 2A, 2 TTL output	
LCD Display, Keypad		1 x Character LCD Module, 2 line x 16ch, 65.6 x 13.8, 16 Number numeric Keypad	
Communications		505R, SR505R: RS232/RS422 (Max32 ch)TCP/IP (External Converter) Baud Rate : 4800bps, 9600bps(Default), 19200 bps and 38400bps Software Programmable	
LED Indicator/Beeper		Red/Green/Yellow LED, Piezo Buzzer	
Power		DC12V, Max. 350mA	DC12V, Max. 300mA
Operation Environment		0°C~+60°C, 10%~90% RH	-15°C~ +40°C(5°F~104°F), 10% ~90% RH

Specifications (IP-100R)

CPU		Dual 8bits microprocessors
Memory		Program memory : 20KByte ROM Data memory : 2KByte EEPROM
PIN numbers		512 PIN numbers
Read Range	IPC170	4 inch (10cm)
	IPC80	4 inch (10cm)
Reading Time/Reading Format		30ms / ASK
Card Holders		512 Card holders
Reader Port		1 External reader port (26 bit Wiegand format)

Communication	RS232, Baud rate : 9600bps
Keypads	12 numeric keypad with back lighting
Self Diagnostic	Yes
Input / Output ports	Inputs : 5 ea Relay Outputs : 2 ea (COM, NO, NC) TTL Output : 1 ea Chime bell output : 1 ea
LED indicators	3 LEDs (Red, Green, Yellow)
Power	DC 12V, max. 200mA
Operating Environment	-35°C ~ +65°C(-31°F~149°F), 10% ~ 90% RH