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**RFID BASED  
AUTHENTICATION SOLUTIONS**

**AVI-SC-509**



# RFID Based Authentication Solutions

**Product name: AVI TEC**

**Product Category: Biometric Products**

**Product Sub-category: Proximity Cards Access Control Systems**

**Model Number: AVI-SC-509**

The AVI-SC-509 is an import proximity Time & Attendance system. It adopts a sophisticated proximity communication protocol called PSK and encrypts a proximity card to check the identities of employees as well as visitors to your facility. This is much safer and more reliable than those without encrypted proximity cards. It offers 3 different operation processes:

- Using a five digit code
- Using the proximity card directly
- Using both the proximity card and a five digit code believe to be the most ideal option

When a user attempts to open a door in your office or factory that has been protected, an intimidating card or code is used to output a soundless alarm signal through an auto-dial machine which is, in turn, connected to the alarm system. The anti-pass function is optional, which prevents a person who has no authorization from following others who are entering the building.

The input and output interface of the SC Series can also be programmed to link other exterior system accessories. For example, if the door was not closed in time, the relay will trigger an audible alarm which also becomes a part of the daily log like all other activity.

The SC Series of access control products are marvels of technology. They have been developed using the LINUX operating system and deploy an USB flash disk to download data. The AVI 509 also features a message function which displays a reminder message on the LCD screen on a pre-specified date and time when an authorized individual checks in.

The SC Series also has an inner background light to help improve LCD and keypad usability. It can work as an independent stand alone device and maintain records in real time which you can also transfer to your work station. It can also be managed by PC through RS232, RS485 or the TCP/IP Internet protocol. This series is certified by CE, UL, FCC and MIC.

## FEATURES

- Standalone or PC connectivity with RS232 or RS485 or TCP/IP Internet communication protocol
- Download records with U-Disk
- Ability to set up threatened alarm and code without any technical help owing to an extremely easy-to-use interface and user-friendly design
- Night operation with 16 bits backlight keyboard
- Authenticated by the world's major electronic certification labs and United States government agencies such as UL, CE, FCC and MIC
- Hardware design featuring fashionable POE (Optional)
- Antistatic and anti-jamming protection
- All input/ output designed with over-voltage & circuit protection, illegal-dismantle alarm & professional alarm system, voltage control & compliant surveillance system
- Completely waterproof



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## LAYOUT PLAN

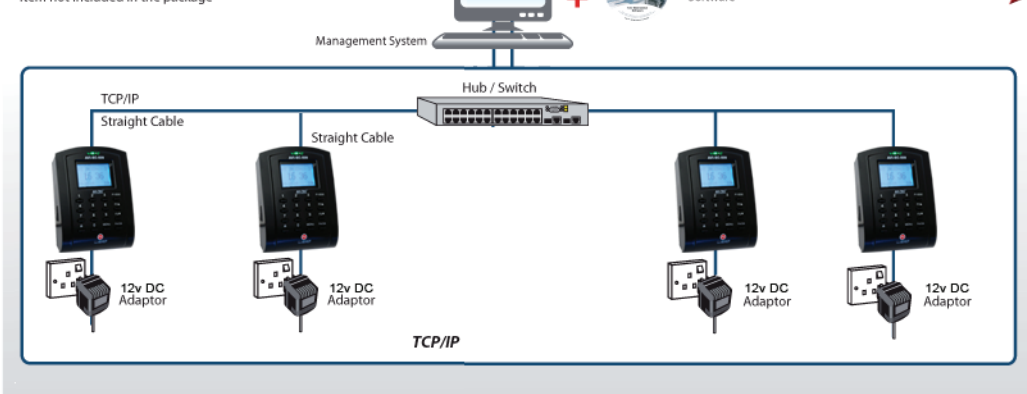
### Layout Plan (Standalone)

for illustration only  
\*\* optional



### TCP/IP NETWORK Environment

for illustration only  
\* item not included in the package



## WEB LINK



Product

• [http://avi-infosys.com/AVI\\_SC\\_509.html](http://avi-infosys.com/AVI_SC_509.html)



Product Brochure

• [http://avi-infosys.com/site\\_download/pdfs/AVI\\_SC\\_509\\_flyer.pdf](http://avi-infosys.com/site_download/pdfs/AVI_SC_509_flyer.pdf)



## Technical Specifications

Card Holders	30000 cards
Transaction Capacity	50000 records
CPU	64bit ZK6001 Microprocessor
Software platform	Embedded Linux O/S
Access Mode	Card Only, PIN Only, Card+PIN
Read Range	10-15 cm
I/O Interface	RS232/485
Baud Rate	9600-115Kbps programmable
Ethernet	10/100M
Wiegand I/O	any bit
USB	Mini-USB 2.0 port
Access Control Function	50time zones, 5groups, 10open door combination, supports multi-users enter. TTL for connecting to lock, door sensor, exit button, alarm
LCD Panel	LCD Panel: 4 line, 16 character each line(User name, ID number, time, date, states)
Keypad	4*4 metal keypad with 4 function keys
Audio Visual Indicator	Red LED(Access denied)/ Green LED(Access granted) with Audible Beep
Housing Material	ABS
Power Requirement	12V DC, 400mA
Operating Temperature	0°C-45°C Operating Humidity: 20%-80%
Optional	Webserver, Antipass-back, Multi-language display

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Authorized Reseller:



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