



**FVC**  
**1st**

Fingerprint Verification  
Competition

[www.nitgen.com](http://www.nitgen.com)

# NAC-5000



**NITGEN**  
biometric solutions

## Specification

CPU	32 bit / 620MHz	
Memory	256MB DRAM / 256MB Flash	
Display	5.7" TFT LCD / Touch Screen	
Sensor	Optical / 500 DPI	
Authentication Type	Fingerprint, Password, RF card, Face (Optional)	
Time	1:1	< 0.2 sec.
	1:N	< 1 sec. (4,000 templates)
Template Capacity	Normal	Fingerprint 100,000 templates (2 templates / 1 finger, 50,000 User)
	Face	Fingerprint 40,000 templates, Face 3,000 User (2 templates / 1 finger, 50,000 User)
Log Capacity	100,000 logs	
Communication	TCP/IP, RS485(TBD), Wireless (Optional), Wiegand In/Out (26/34bit)	
Lock	Deadbolt, EM Lock, Door Strike, Automatic Door	
Environment	-20~60 °C / < RH 90%	
Certificate	KC, CE, FCC	
Dimensions	167 x 146 x 52 mm	
Remarks	Live Fingerprint Detection, USB Memory Slot, Built-in Camera	

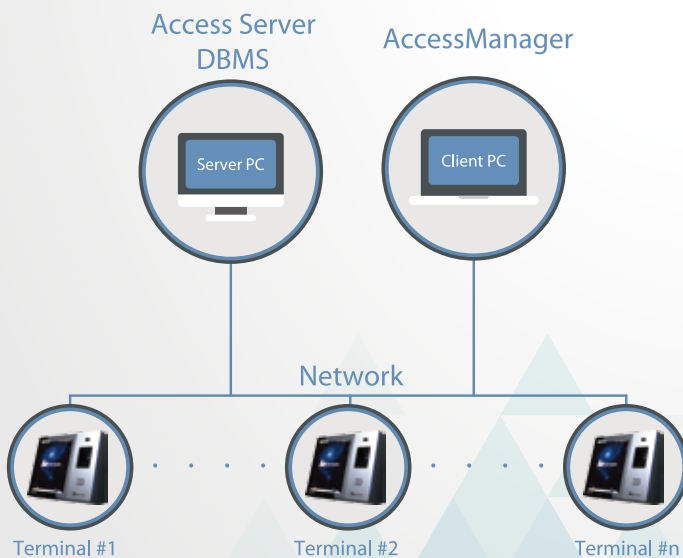
## Features

- 5.7" TFT LCD, Touch Screen
  - Fingerprint Image Quality Check
  - Notice publication
  - Wallpaper change / selection
- Superior Matching Engine
  - 1<sup>st</sup> rank in FVC (Fingerprint Verification Competition)
  - Live Fingerprint Detection
- Built-in Camera
  - Resolution : 640 x 480
  - Full image stored in the server
- USB Memory Slot
  - Easy data transfer using USB memory stick (Firmware update, User info. upload / download, log data upload)
- Function Key
  - User-defined functions (F1~F4)
  - Clock In / Clock Out / Absence / Return
- Authentication Type
  - Fingerprint, RF card, Password, Face (Optional)
  - Mixed Authentication Type (ex. Fingerprint & RF Card)
- Voice Supported

## Product Family

Model	Description
NAC - 5000S	Standard (Fingerprint, Password)
NAC - 5000M	Standard, High Frequency Card (13.56MHz) - Mifare, iCLASS
NAC - 5000R	Standard, Low Frequency Card (125kHz) - HID, EM
NAC - 5000S Face	Standard, Face
NAC - 5000M Face	Standard, Face, High Frequency Card (13.56MHz) - Mifare, iCLASS
NAC - 5000R Face	Standard, Face, Low Frequency Card (125kHz) - HID, EM

## System Configuration



## S/W Package

>> AccessManager Pro.

Item	Contents
Component	AccessServer / AccessManager / DBMS
Max. Accessing Terminal	2,000 EA
Max. Remote Client	16 (Access Manager)
OS	Windows XP or higher
Max. User	100,000 User ( in the Server )
DBMS	MS SQL 2005 or higher, MS SQL Express 2005 or higher
Similar Fingerprint Check	O