AC 6000 Datasheet

AC-6000

High –End Finger-print Terminal

This state of the art terminal embraces the latest technology with a large color touch screen LCD, embedded digital camera and extremely fast processor.

AC 6000 is a high-end state of the art access control & time re-cording fingerprint ter-minal. It has onboard Color camera to record the images of users as they transact (accepted and rejected transac-tions), USB I/F and TCP/IP interface. It has Face detection as spe-cial feature and stores

Key Features of the Product:-

⇒ Face detection technology
⇒ **Virdi Patented Live & Fake Finger Detection Technology.**
⇒ Award winning Fingerprint algorithm in year 2011
⇒ Captures the image for authorized/unauthorized.
⇒ Various authentication modes of card, PW, Finger and ID combination with optional face detection feature.
⇒ User Grouping Facility for faster 1:N Authentication.
⇒ Easy Template Distribution for Multi-Location Applications.
⇒ The main screen can be customized by adding any background (customer logo), and also can be programmed to automatically change every day at midnight.

Specifications of AC6000

System Features:

⇒ Memory: 256MB flash and 256MB SRAM
⇒ CPU: RISC 806 MHz; 32 bits
⇒ Event buffers: 5,00,000
⇒ Number of Templates: 50,000 (From the Device); Unlimited in case of Template on car
⇒ Card users : 1,00,000
⇒ Image capacity : 12,500
⇒ Cards / Readers Compatible: Mifare / Desfire / EM / HID iClass / HID Prox
⇒ Card read range: Upto 8 cm.
⇒ User Configuration/Operation Modes: FP, PW, FP|PW, FP & PW, card, Card | FP, Card & FP, Card or PW, Card & PW, (ID | Card) & FP, (ID or Card) & PW, Card & FP & PW.
⇒ Template on Smart card: Yes (On Mifare)
⇒ Ethernet : 100bps (Default) /10mbps
⇒ Admin Users: 16
⇒ LCD Messaging: User defined Local / Global Messages

1.3 Mega Pixel Digital Camera

Records a digital image of each user at the time of the transaction

Sensor Specs:

⇒ Type: Optical
⇒ Resolution (dpi): 500
⇒ 1:1 Verification: < 1 sec
⇒ 1:1000 users < 1 sec
⇒ 1:G (1:10000 uses) < 1 sec
⇒ Identification Time: < 1 sec
⇒ Template Size: 400 bytes
⇒ Equal Error Rate: < 0.1%
⇒ FAR: 0.0001%
⇒ FRR: 0.1%
⇒ Image Size (pixels): => 400 *400
⇒ Sensing area (mm): 15mm X 17mm

Access Control Features:

⇒ Create up to 9999 Time Zones (12 transaction bands per day)
⇒ Access groups: 9999
⇒ Inputs: 2 inputs DM0, DM1 & Exit Switch.
⇒ Outputs: Relay for Lock; Auxiliary
⇒ Anti-pass back: Available (Local)
⇒ Access authentication from server
⇒ Fire, Emergency, Panic etc. integration is available
⇒ External Lamp / Siren / Hooter connectivity available
⇒ Expiry Date; Blacklisting; Deny List; Duress User available

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Security Features :

⇒ Email sending facility through application in case of critical events like matching fail, tamper, door forced/not closed, blacklisted user attempt etc.
⇒ Integrated with real time alarm display on server
⇒ Configurable card or fingerprint verification for logging in to the device for extra security
⇒ Can open all doors from network in case of fire or emergency.
⇒ 0-9 security levels to adjust FRR and FAR as per the environment and customer needs.
⇒ IP Camera can be integrated and activated on selected events like Door Force Open; Unauthorized users, holiday access etc(through software)
⇒ Device security enhanced by adding user as admin in device.

Hardware Features:

USB Memory

Transfers configuration settings, images, firmware and transaction logs using a USB Memory Stick.

⇒ LED Indicator : Bi-colored Bar with approach sensor
⇒ LCD display : 5" Color TFT Touch LCD
⇒ Buzzer: Multi tone Buzzer o/p.
⇒ Touch Keypad: 0-9 key numeric, four function keys and enter key.
⇒ External Reader Supported: 125KHz EM / 13.56MHz Mifare / Desfire / Felica / HID Prox(optional) / HID iClass(optional)
⇒ Output: TCP/IP and WIFI-optional
⇒ Dimension : 198 x 120 x 40 mm
⇒ Buzzer: Multi tone Buzzer o/p.

Technical Specs:

⇒ Dimensions: 198mm (L) X 120mm (H) X 40mm (D)
⇒ Communication: TCP/IP, WIFI, RS485, RS232
⇒ Power Specs: *Current & Voltage Req:* UL Listed 12V DC – 3.5 Amp.
⇒ Material: ABS Plastic
⇒ Mounting: Wall Mounting
⇒ Outside (IP) Enclosure: Available on request as per specs. Call for Information.
⇒ Certifications: FCC / CE / RoHS
⇒ Operating Temperature: -20 deg C to 60 deg C OR < 90% Humidity

Technical Specs:

Warranty:
⇒ <u>Product</u>: 1 yr for any manufacturing defects / workmanship.
⇒ <u>Sensor</u>: 1 Year for any Manufacturing defects (Failure of sensor due to ESD / physical damage will not be covered under warranty)

Accessories :
(Optional)
⇒ Standard or Battery Back-up Power Supply
⇒ Time Attendance Software
⇒ Weigand Reader (External):HID iCLASS, Mifare(13.56 Mhz) Smart Card Technology
⇒ Card: Mifare® (1K,4K); HID I Class ;
⇒ Strike Lock / Electromagnetic Lock
⇒ Egress Switch
⇒ 7 AH Battery

Applications:
⇒ Time Attendance System
⇒ Physical Access Control

Areas:

♦ Call Centers / BPO
♦ Banking & Finance
♦ Hotels and Residential
♦ Corporate & IT/ITES
♦ Retail, Malls & Multiplexes
♦ Hospitals & Clinics
♦ Clubs & Gymnasium
♦ Schools & Colleges
♦ Transport & Logistics
♦ Telecommunications
♦ R&D Centres and Labs
♦ Manufacturing Units & Factories,
♦ Government; PSU & Defense