www.TURNSTILES.us V-Station DESFire™

finger scan and DESFire technology in a self-contained terminal

FEATURES

- DESFire™ and iCLASS™ compliant contactless smartcard reader

- In accordance with existing FIPS201 requirements

- Only Physical Access Control reader in the market with both ANSI 377 and 378 standards supported

- TWIC card complaint

- Enrollment compatibility with leading optical sensors (Cross Match, Smiths Heimann Biometrics)

- 3DES encryption with software controlled keys for encryption

- FIPS201 support for CHUID and configurable Wiegand outputs

- Support for assurance level security changes to support legacy systems

- Industry's most accurate finger scan algorithm (#1 at FVC 2002 & FVC 2004)

- Triple layer security: What you have (card); Who you are (biometric); What you know (PIN)

- Generates, maintains, and logs up to 4096 time-stamped transactions

- Integrated 80-character LCD display and numeric keypad

- Available SDK for expanded functionality

- Ability to turn biometrics on/off based on time/day and threat levels

- User-defined access schedules

- Stores ~ 3500 templates on terminal

Designed for high throughput, high volume applications, the verification process takes less than 1 second.

In accordance with FIPS201 existing requirements and ANSI template formats to meet government requirements.

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TECHNICAL INFORMATION

DIMENSIONS (MYRIAD BOLD 8.6 OVER 10.6)
Length: 142.9 mm (5.625") (Myriad Roman 8.6 over 10.6)
Width: 168.3 mm (6.625")
Depth: 66.7 mm (2.625")

COMMUNICATIONS
RJ11 - RS 232
RJ11 - RS 232 Auxiliary port
RJ45 - RS 485
RJ45 - Ethernet

TERMINAL BLOCK
Wiegand, TTL, RS 485, RS 232, Power and Earth Ground

VERIFICATION (1:1)
Enrollment Time: < 3 seconds
Verification Time: < 1 seconds
(EER) Equal Error Rate (FAR=FRR): 0.1%
Adjustable FAR and FRR
Number of Templates: ~ 3550 per unit
Template Size: ~ 350 bytes

IDENTIFICATION (1:n)
Enrollment Time: < 3 seconds
Identification Time: < 2 seconds
False Acceptance Rate (FAR): 0.2%
False Rejection Rate (FRR): 1.0%
Number of Templates: 500 per unit, optimized for 300*
Template Size: ~ 2500 bytes

VOLTAGE
12.5-24 V DC

CURRENT DRAW
Idle: 0.50 amps @12 V DC
Max: 1.00 amps @ 12 V DC

MOUNTING
Triple-gang or dry wall. Mounting plate will accept #6
screws or bolts.
Clearance hole diameter is 0.155".

OPERATING TEMPERATURE
0° - 60°C

CERTIFICATIONS
FCC, CE, UL294, cUL, RoHS
All models include the following features: MV1200 OEM module,
AuthenTec sensor, keypad, LCD display, RS 232 / RS 485 / Ethernet
communications, real-time clock, and logs approximately 4096
transactions

ORDERING INFORMATION

Base Model
V-STATION-A, R: Initiate verification from PIN or external Wiegand device
for 1:1 verification, ~ 3550 templates
DESKTOP-VN-A, R: V-STATION-A,R reader mounted on a plastic stand,
with power supply
DEMO-VN-A, R: V-STATION-A, R reader mounted on stand, power supply,
case

Proximity Model
V-STATION-A, P, R: Integrated HID OEM proximity reader for 1:1
verification, ~ 3550 templates
DESKTOP-VN-A, P, R: V-STATION-A-P reader mounted on a plastic stand,
with power supply
DEMO-VN-A, P, R: V-STATION-A-P, R reader mounted on stand, power
supply, case and 5 Prox cards

MIFARE® Model
Please refer to a V-Smart product sheet or contact www.TURNSTILES.us
for a list of supported cards
V-STATION-A, G, R: Integrated Gemplus MIFARE® smart card reader for 1:1
verification, unlimited cardholders
DESKTOP-VN-A, G, R: V-STATION-A, G, R reader mounted on a plastic
stand, with power supply
DEMO-VN-A-G: V-STATION-A-G reader mounted on stand, power supply,
case and 5 MIFARE® cards

iCLASS™ Model
Supports iCLASS/DESFire™ and OmniSmart™ contactless smart cards
V-STATION-A, H, R: Integrated HID iCLASS™ smart card reader for 1:1
verification, unlimited cardholders
DESKTOP-VN-A, H, R: V-STATION-A, H, R reader mounted on a plastic
stand, with power supply
DEMO-VN-A-H: V-STATION-A, H, R reader mounted on stand, power
supply, case and 5 iCLASS™ cards

Identification Model
V-STATION-A, S, R: Embedded 1:200 or 1:500 algorithm for searching
capability
DESKTOP-VN-A, S, R: V-STATION-A, S, R reader mounted on a plastic
stand, with power supply
DEMO-VN-A, S, R: V-STATION-A, S, R reader mounted on stand, power
supply, case and 5 iCLASS™ cards

*Contact www.TURNSTILES.us for more details