

FAU Department of Campus Recreation
Fingerprint Scanner Proposal
Thursday, January 27, 2011

In an effort to better meet the needs of Recreation and Fitness Center users, the Department of Campus Recreation is providing a proposal to install fingerprint scanners which will serve as an alternative to student/member IDs. The finger print scanners will interface directly with current facility access software, and also be used for equipment check out, check in for fitness classes, etc.

Policies & Procedures

- Students and Rec Members will be able to activate their fingerprint access through the Membership Office. Special stations will be set up at the beginning of each semester to accommodate the large volume of new fingerprints to be activated.
- Actual fingerprints will not be stored. Fingerprint scanners will convert fingerprints to a unique number pattern.
- Fingerprint scanners will also be available for equipment checkout, group fitness drop in and pro shop purchases.
- Student/member IDs will still be required for Intramural Sports participation in the Recreation and Fitness Center, as well as all Campus Recreation activities outside of the facility (i.e. club sports participation, Strong Owl, Homecoming Fun Run, etc.)
- Users who do not wish to use the fingerprint scanner will still be able to access the facility with their valid student/member ID. The fingerprint scanner will merely serve as an additional access opportunity for the facility.

User Reviews

The University of Arizona is very satisfied with the fingerprint/software combination identified in this proposal. Students enjoy an alternative to their student ID. They have a similar turnstile set-up to us, and use the fingerprint scanner on their second unit as a “fast lane”.

Costs

Total cost including on-site installation and training is \$9,822 (see attached quote). A significant portion of the total cost (\$2,950) is for Vermont Systems staff to travel to FAU and provide installation/training service. We are currently working with our IT support staff to determine if we are comfortable performing these actions in house, thus eliminating these costs from the final bill.

Description: **Access Control Pricing**
 Prepared For: **Florida Atlantic University, Boca Raton, FL**
 Contact Name: **Dax Kuykendall**
 Contact Email: **dkuykend@fau.edu**
 Approved By: **Joshua Karson (joshuak@vermontsystems.com)**

Phone Number: **(561)297-1162**
 Fax Number:
 Quote Date: **12/08/2010**

Qty	Unit	Description	Unit Price	Extended Price	Estimated Shipping	Annual Maint
<u>Application Software</u>						
1	Each	Additional Turnstile/Door/Gate Fingerscan User (VSI-AC-A)	\$300.00	\$300.00	\$0.00	\$50.00
1	Each	OpenEdge Workgroup Appl Server & RDBMS (T-PG-MU-OE)	\$60.00	\$60.00	\$0.00	\$10.00
Total Application Software:				\$360.00	\$0.00	\$60.00
<u>Access Control Hardware</u>						
1	Each	M2-Easy Scan Mounting Bracket (H-ACC-M2-01-X-ST)	\$35.00	\$35.00	\$5.00	\$0.00
3	Each	M2-S Fingerprint Reader, USB, 1 Yr Warranty (H-ACC-M2-05)	\$190.00	\$570.00	\$18.00	\$0.00
1	Each	Siig 4 Port USB over IP Device ID-D0011 SI USB (H-ACC-PC-01-U)	\$235.00	\$235.00	\$8.00	\$0.00
1	Each	Relay Output device, 2"x3"x1", USB Cable 6' (AC) (H-ACC-PG-01)	\$85.00	\$85.00	\$11.00	\$0.00
1	Each	Bio-Plugin Software PC Licence 1-9 PCs (T-M2-ACC-06)	\$42.00	\$42.00	\$0.00	\$8.40
1	Each	Bio-Plugin Software Serv Lic 19999 Users 1:N Ident (T-M2-ACC-04)	\$4,480.00	\$4,480.00	\$10.00	\$896.00
1	Each	PreScan Enhancer Pads (AC-FS-PRESCAN PADS)	\$47.00	\$47.00	\$2.00	\$0.00
Total Access Control Hardware:				\$5,494.00	\$54.00	\$904.00
<u>Support Services - Training & Travel Expenses</u>						
2	Day(s)	Municipal, On-Site, Installation & Training (X-S-TNG-01)	\$680.00	\$1,360.00	\$0.00	\$0.00
1	Day(s)	Travel time - per day (X-S-TNG-09)	\$340.00	\$340.00	\$0.00	\$0.00
2	Each	Travel expenses - per day (estimated) (X-X-EXP)	\$325.00	\$650.00	\$0.00	\$0.00
1	Each	Airfare for travel (estimated) (X-X-AIR)	\$600.00	\$600.00	\$0.00	\$0.00
Total Support Services - Training & Travel Expenses:				\$2,950.00	\$0.00	\$0.00

Total Software, Hardware and Support Services	\$8,804.00	\$54.00	\$964.00
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Grand Total - Access Control:	\$9,822.00
	(plus tax where applicable)

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- 1 VSI uses 4GL Progress V10 OpenEdge software to develop and deploy its' Release 10 software applications, The Progress software includes Client Networking, WebClient, SQL Client Access, ODBC/JDBC Drivers, & AppServer Internet Adapter. VSI also embeds the required Progress OpenEdge Workgroup RDBMS (Relational Database Management Software) with its' applications.

- 2 M2-S Fingerprint Scan Reader is compatible with XP,Vista, Windows 7, both 32 and 64 bit.

M2-S Fingerprint Reader and M2 FingerVein Reader are used to enroll (capture & store) the finger easy scan/vein scans prior to using access control system and functions in low volume fingerscan situations, such as RecTrac login.

Since Biometric Fingerscan readers may not read finger print data for all people, VSI strongly suggests that you provide a secondary option for those customers whose fingers won't read as follows:

Option 1: VSI has integrated a low cost 10key keypad with display that is connected to the PC and placed next to the fingerscan reader. As customers enter, they enter a PIN instead of scanning a finger and the display indicates a valid/invalid PIN entry and Pass #.

Option 2: Assign a key fob to those customers whose fingers will not read. Then swipe in using the bar code scanner that is placed next to the fingerscan unit. While most people will use the fingerscan to check-in, a few will use the keypad or key fob (quote price is estimated).

A container of Scantastic Hygienic Prescan pads is included with each purchase.

- 3 Works with M2-S, requires one per unit.
- 4 This device is required for using the M2 EasyScan Fingerprint Reader in an Access Control configuration. This device is plugged in to the AnywhereUSB hub, and provides the relay for the charge that will activate the turnstile/door.
- 5 Each installation requires one Bio-Plugin Software PC License. Select one per computer workstation.
- 6 Each installation requires one Bio-Plugin Server License to store finger/vein scans. Select appropriate total number needed.
- 7 The Enhancer Pads improve the quality of reads significantly.
- 8 The included expenses are ESTIMATED for airfare, lodging, meals, and rental vehicle (for non-flying trips, car rental can be more due to tolls and gasoline usage). Actual expenses are billed after each trip.



M2-S[™] READER

BIOMETRIC FINGERPRINT READER

Industrial-grade, intuitively designed biometric hardware

The M2-S[™] Fingerprint Reader is designed for use with M2SYS software solutions and is also compatible with many standard fingerprint SDKs. The M2-S[™] unique, ergonomic hardware design around the latest Digital Persona U.are U. 4000B sensor chip ensures perfect finger placement with each scan to produce an optimized image with maximum captured surface area.

- Small form factor
- Excellent image quality
- Encrypted image data
- Latent print rejection
- Counterfeit image rejection
- Rotation invariant

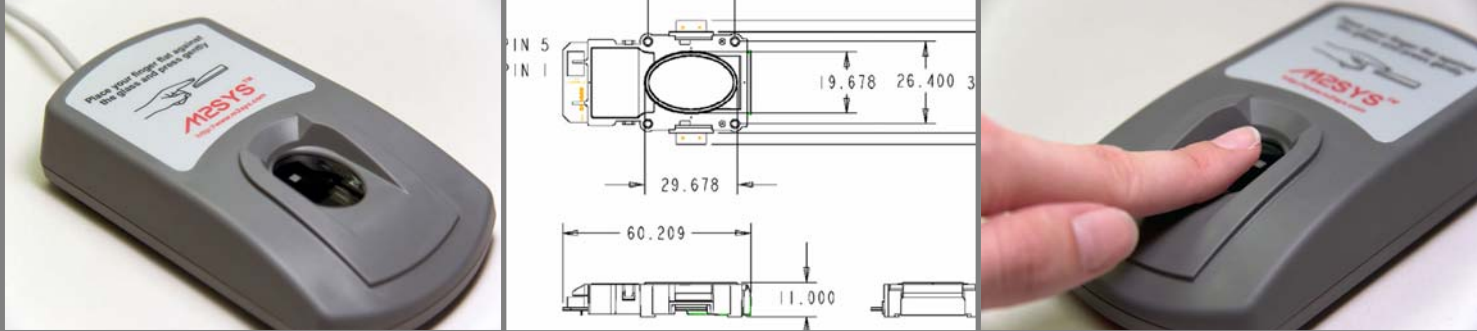
The M2-S[™] Fingerprint Reader and its rugged design are ideal for use in high-throughput scanning environments where consistency in producing excellent quality images for accurate 1:1 and 1:N identification is critical.

M2SYS[™]
ACCELERATED BIOMETRICS

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The M2-S™ Fingerprint Reader has a rugged design to withstand the trials of everyday use, providing sturdiness unmatched by other sensors in the same price category. The sensor provides a light flicker to indicate that a finger has been placed on its surface, as on-board electronics control image capture, self-calibration, and image data encryption.

- Works well with dry, moist or rough fingerprints
- Compatible with M2SYS applications
- Drivers support Windows XP, 2000, Me, NT 4.0 and 98
- Mountable to 6" adjustable, metal stand

The device bottom also has a mounting hole allowing it to be easily secured to any surface. M2SYS also offers 4" and 6" metal stands upon which the M2-S™ can be fastened to adjust the planar angle for enhanced ease-of-use and properly stabilize the device. The mounting stand can also be anchored to any surface.

Category	Description
Connection	5' 10" USB cable
Type	Optical
Surface	Silicone layer
Calibration	N/A (device self-calibrates upon connection with USB port)
Image quality	512 dpi
Image format	JPEG, GIF, BITMAP, RAW, PNG (images can be saved in any format requested by host software)
Area for fingerprint scan	0.58" (nominal width at center) 0.71" (nominal length)
Lifecycle for fingerprint scan	500,000 touches
Operating System	Windows XP, 2000, Me, NT 4.0, and 98
Warranty	1 year mechanical defect
Dimensions	H: 5.5" W: 2.75" D: 1.00"
Weight	7 oz.
Image Data	8-bit grayscale (256 levels of gray)
Compatibility	USB specifications 1.0, 1.1, 2.0





A large, grey, rectangular M2-S Reader is shown on a dark, textured desk. A yellow pencil and a stack of CDs are in the background. The device has a circular sensor in the center and a label with the M2SYS logo and website.

M2-STM READER

BIOMETRIC FINGERPRINT READER



M2SYSTM
ACCELERATED BIOMETRICS

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