



MYCRO

Small. Simple. Amazingly Powerful.

MYCRO delivers electrifyingly fast biometric matching (10,000 matches in 1 second), and incorporates all the features you'd expect to find in a high-end device including Anti-Shock Vandal Protection, Transaction Logs, Access Schedules and Internal Relay for Single Door Access Control. Its extraordinary performance is fueled by a 512MB DDR3L RAM and a 800MHz Cortex A8 engine, and the Made in Canada construction ensures unparalleled quality and miraculous cost-effectiveness that speaks for itself. Extremely flexible in its configuration, the MYCRO can accommodate the needs of any application.



800MHz
PROCESSOR



ANTI-SHOCK
VANDAL PROOF



IP65 RATED



ALL CARDS
ACCEPTED



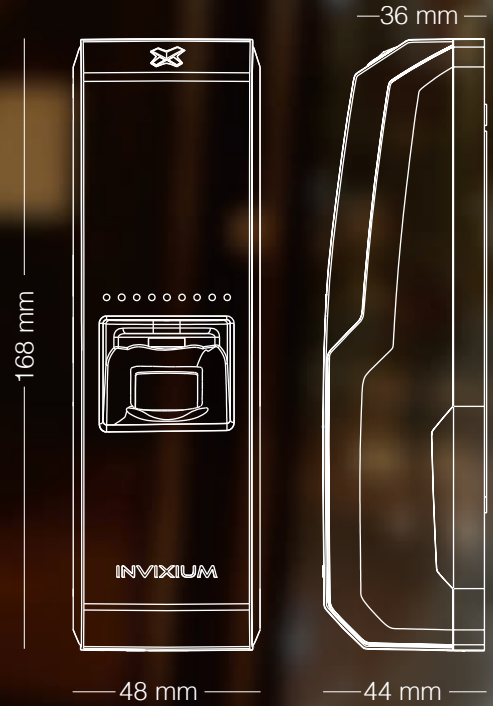
PANEL
FEEDBACK



Technical Specifications

Processor	ARM Cortex A8 - 800 MHz
Random Access Memory	512 MB DDR3L @ 303 MHz
Flash Memory - NAND	512 MB
Operating System	Android® OS 4.1.2
Serial Communication	RS - 232, RS - 485, USB - Aux
Ethernet	100BASE-T
Wiegand	Customizable up-to 512 bits
USB	USB 2.0 On - The - Go (OTG)
# of SPOs & SPIs	3 & 3
Door Access Controller	1A (1-Output, 2-Input, 1-Relay)
Anti-Shock Vandal Protection	Standard
LEDs	1 (Power & Status)
Audio	Multi-tone Buzzer
1 : N Users (Records)	10K users (20K biometric records)
1 : 1 Users (Records)	25K users (50K biometric records)
# of Transaction Logs	100K
Device Voltage & Current	12V DC @ 1A, 24V DC @ 0.5A
Operating Temperature	-20° C to +60° C (-4° F to +140° F)
Relative Humidity	0% ~ 95%, non condensing
Regulatory Approvals and Certificates	FCC, CE, RoHS, IP65

Dimensions



Device Models

MYCRO	Sensor	Model
	FP	1
		2
		3
		4
		5

FP - Optical Sensor

- 1 - Fingerprint only
- 2 - Fingerprint + Card Reader† (EM Prox / MiFARE / DESFire)
- 3 - Fingerprint + Card Reader† (HID Prox)
- 4 - Fingerprint + Card Reader† (iCLASS / MiFARE / DESFire)
- 5 - Fingerprint + Card Reader† (EM Prox / HID Prox / iCLASS / MiFARE / DESFire)

†EM Prox - 125 KHz (4100, 4102, 4200)

HID Prox - 125 KHz (ProxCard II)

iCLASS - 13.56 MHz (iCLASS Standard, iCLASS SE)

MiFARE - 13.56 MHz (MiFARE Classic, DESFire, DESFire EV1)

PRODUCT COMPARISON MATRIX



	MERGE CR	MERGE	MYCRO	SENSE 2 L series	SENSE 2 S series	TOUCH 2 S series	TOUCH 2 S Series Wi-Fi	TOUCH 2 L series
Device OS	Android	Android	Android	Android	Android	Android	Android	Android
Tamper	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Internal Relay	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
User Capacity (1: N)	—	500	10K	20K	20K	20K	20K	20K
User Capacity (1: 1)	5K	5K	25K	100K	100K	100K	100K	100K
Log Capacity	25K	25K	100K	500K	500K	500K	500K	500K
Audio	Speaker	Speaker	Multi-tone Buzzer	Speaker & Mic	Speaker & Mic	Speaker & Mic	Speaker & Mic	Speaker & Mic
Weather Rating	IP65 Kit	IP65 Kit	IP65	IP65	IP65	IP65	IP65	IP65
Operating Temp	0°C to +60°C 32°F to +140°F	0°C to +60°C 32°F to +140°F	-20°C to +60°C -4°F to +140°F	-20°C to +60°C -4°F to +140°F	-20°C to +60°C -4°F to +140°F	-20°C to +60°C -4°F to +140°F	-20°C to +60°C -4°F to +140°F	-20°C to +60°C -4°F to +140°F
Communication	Ethernet	Ethernet	Ethernet	Ethernet	Ethernet	Ethernet	Ethernet	Ethernet
Power over Ethernet (PoE)	Yes	Yes	—	Yes	Yes	Yes	Yes	Yes
Power Supply	12 VDC @ 1 Amp	12 VDC @ 1 Amp	12 VDC @ 1 Amp	12 VDC @ 1 Amp	12 VDC @ 1 Amp	12 VDC @ 1 Amp	12 VDC @ 1 Amp	12 VDC @ 1 Amp
Power Supply (If Device Powers Door Strike)	—	—	—	12 VDC @ 1.5 Amp	12 VDC @ 1.5 Amp	12 VDC @ 1.5 Amp	12 VDC @ 1.5 Amp	12 VDC @ 1.5 Amp
Camera	—	—	—	—	—	5 MP	5 MP	5 MP
Wi-Fi	—	—	—	—	—	—	Yes	—
Fingerprint Sensor	—	Active Thermal	Optical	Ruggedized Lumidigm	Optical	Optical	Optical	Ruggedized Lumidigm
LCD	—	2.0" IPS Touchscreen	—	—	—	2.4" IPS Touchscreen	2.4" IPS Touchscreen	2.4" IPS Touchscreen
Battery Backup	—	—	—	—	—	Accessory	Accessory	Accessory
Presence Detect	—	—	—	Yes	Yes	Yes	Yes	Yes
Door Strike Supply	—	—	—	12V@500mA	12V@500mA	12V@500mA	12V@500mA	12V@500mA
Dimensions (LxWxD)	139x47x34 mm 5.5x1.9x1.3 in	176x49x33 mm 6.9x1.9x1.3 in	168x48x44 mm 6.6x1.9x1.7 in	199x48x49 mm 7.8x1.9x1.9 in	199x48x49 mm 7.8x1.9x1.9 in	199x48x49 mm 7.8x1.9x1.9 in	199x48x49 mm 7.8x1.9x1.9 in	199x48x49 mm 7.8x1.9x1.9 in
Device Models	CR	FP22 FP4	FP1 FP2 FP3 FP4 FP5	FPL1 FPL2 FPL3 FPL4 FPL5	FP1 FP2 FP3 FP4 FP5	FP1 FP2 FP3 FP4 FP5	FP1 FP2 FP3 FP4 FP5	FPL1 FPL2 FPL3 FPL4 FPL5
Color Options	White Black	White Black White/Black	Black	Black/Chrome Black/Titanium	Black/Chrome	White/Gold Black/Chrome	White/Gold Black/Chrome	Black/Chrome Black/Titanium

CR: Card Reader (MiFARE / DESFire)
 FP: Optical or Active Thermal sensor
 FPL: Lumidigm Multispectral sensor
 1: Finger only
 2: Card Access (EM Prox / MiFARE / DESFire)
 22: Card Access (MiFARE / DESFire)
 3: Card Access (HID Prox)
 4: Card Access (iCLASS / MiFARE / DESFire)
 5: Card Access (EM Prox / HID Prox / iCLASS / MiFARE / DESFire)