MERGE 2

Effective. Bold. Improved.

MERGE 2 is an engineering and design marvel! With its revolutionary balance of cost and features, MERGE incorporates outstanding technology including a 2.0 inch in-plane switching (IPS) LCD delivering stunning colors and wide viewing angle, a hybrid of flex & rigid PCBA contributing to a stunningly svelte design and a rugged and innovative FBI Certified optical sensor from SecuGen delivering unmatched performance with any finger type (dry, moist or otherwise).The sleek sensor also enables flush mount to the product surface for smooth and natural finger placement. Of course, this engineering masterpiece possesses the quality and performance values of the Invixium brand and is interoperable with our other products through IXM WEB.

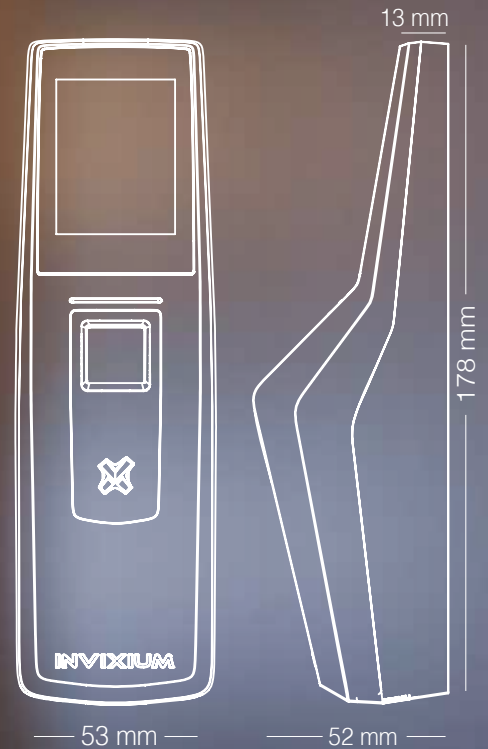| FBI CERTIFIED OPTICAL SENSOR	PoE	FLEX-RIGID PCB	IPS LCD WIDE VIEWING ANGLE	ANDROID OS

CORNING
Gorilla® Glass

Corning®
Gorilla® Glass

iCLASS by HID

Technical Specifications

Processor	ARM Cortex A8 – 800MHz
Random Access Memory	512 MB DDR3L @ 303 MHz
Flash Memory - NAND	512 MB
Operating System	Android® OS
Serial Communication	USB Aux
	RS485 (OSDP v2 Compliant)
Ethernet	100BASE-T
Wiegand	Customizable up-to 512 bits
USB	USB 2.0 On - The - Go (OTG)
# of SPO	1
Door Access Controller	1A (1-Output, 2-Input, 1-Relay)
Anti-Shock Vandal Protection	Standard
LCD & Interface	2.0" IPS Cap Touch screen
Super Strong Protective Screen Cover	Corning® Gorilla® Glass 4
LEDs	1 (Power & Status)
Audio	Speaker (2 Watts)
1 : N Users (records)	10K users (20K biometric records)
1 : 1 Users (records)	25K users (50K biometric records)
# of Transaction Logs	100K
PoE+	IEEE 802.3at
Power Supply	12V DC @ 1A, 24V DC @ 0.5A
Environmental Rating	IP65
Operating Temperature	0˚ C to +60˚ C (32˚ F to +140˚ F)
Relative Humidity	0% ~ 80%, non condensing
Regulatory Approvals and Certificates	FCC, CE, RoHS, BIS

Dimensions

13 mm

178 mm

53 mm

52 mm

Device Models

MERGE 2	Sensor	Model	Color
	FPU	22	Black/Chrome
		4	

How to Order

MERGE 2	FPU	22	Color
MERGE 2	FBI Certified Optical Sensor	Fingerprint + PIN + Card Reader† (MiFARE / DESFire)	Black/Chrome

FPU - FBI Certified Optical Sensor

22 - Fingerprint + PIN + Card Reader† (MiFARE / DESFire)
4 - Fingerprint + PIN + Card Reader† (iCLASS / MiFARE / DESFire)

†iCLASS - 13.56 MHz (iCLASS Standard, iCLASS SE)
MiFARE - 13.56 MHz (MiFARE Classic, DESFire, DESFire EV1/EV2*)

*DESFire EV2 cards are supported by having backward compatibility of DESFire EV1 cards.