



MERGE

Slim. Effective. Bold.

MERGE 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 an innovative and razor slim sensor from NEXT operating on Active Thermal Sensing technology delivering unmatched performance with any finger type (dry, wet 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.

MERGE CR has all the ingredients of the MERGE family except LCD & Fingerprint sensor. It also includes support for various RFID card technologies, making it ideal for installations where biometric and card based devices are required.



SLIM
FACTOR



THERMAL
SENSING



FLEX-RIGID
PCB



IPS LCD WIDE
VIEWING ANGLE



ANDROID OS



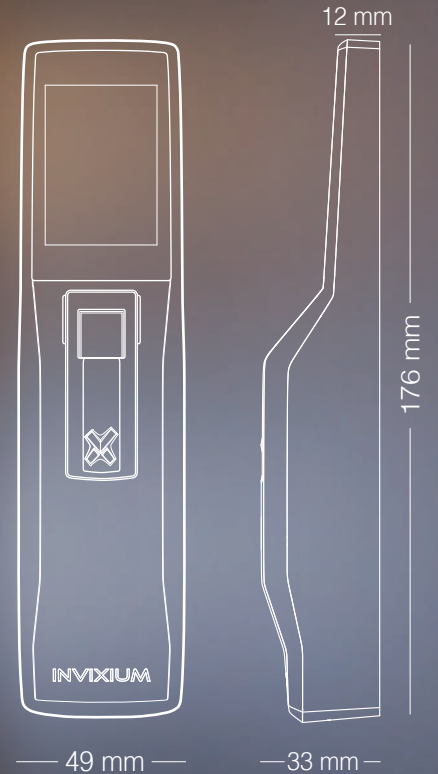
Corning®
Gorilla® Glass



Technical Specifications

Processor	ARM Cortex A8 – 800MHz
Random Access Memory	512 MB DDR3L @ 303 MHz
Flash Memory - NAND	512 MB
Operating System	Android® OS 4.1.2
Serial Communication	RS485 (OSDP Compliant), USB Aux
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)	5K users (10K 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
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, IP65 Kit

Dimensions



Device Models

MERGE	Sensor	Model	Color
	FP	22	White
		4	Black
			White/Black

How to Order

MERGE	FP	22	Color
MERGE	Active Thermal Sensor	Fingerprint + PIN + Card Reader† (MIFARE / DESFire)	White

FP - Active Thermal Sensor

22 - Fingerprint + PIN + Card Reader† (MIFARE / DESFire)

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

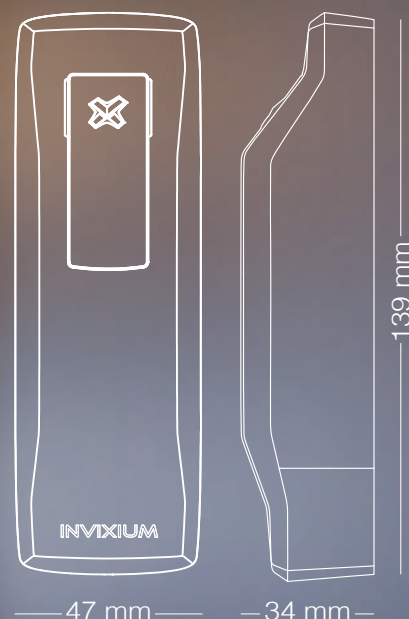
†iCLASS - 13.56 MHz (iCLASS Standard, iCLASS SE)

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

Technical Specifications

Processor	ARM Cortex A8 – 800MHz
Random Access Memory	512 MB DDR3L
Flash Memory - NAND	512 MB
Operating System	Android® OS 4.1.2
Serial Communication	RS485 (OSDP Compliant), USB Aux
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
LEDs	1 (Power & Status)
Audio	Speaker
1 : 1 Users	5K users
# of Transaction Logs	25K
PoE+	IEEE 802.3at
Power Supply	12V DC @ 1A, 24V DC @0.25A
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, IP65 Kit (sold seperately)

Dimensions



Device Models

MERGE CR	Card	Color
	CR	White
		Black

How to Order

MERGE CR	CR	White
MERGE CR	Card Reader† Only (MIFARE / DESFire)	White

CR - Card Reader† Only (MIFARE / DESFire)
MIFARE - 13.56 MHz (MIFARE Classic, DESFire, DESFire EV1)