

# IXM MERGE 2

## The Elegant Fingerprint Access Control & Time Tracking Device.

MERGE 2 is a marvel of design and engineering built to satisfy the aesthetic demands of high-tech industries and enterprises. A perfect blend of affordability, future-proofed features and elegant design, MERGE 2 sports outstanding technology including a 2.0" IPS LCD screen, an FBI-Certified SecuGen fingerprint sensor and a hybrid of flex and rigid PCBA for a stunningly svelte design. With MERGE 2, you don't have to compromise on cost, design or technology – this solution truly has it all.



### **TECHNICAL SPECIFICATIONS**

Processor	ARM Cortex A8 - 800 MHz	
RAM	512 MB DDR3L @ 303 MHz	
Flash Memory	512 MB	
Operating System	Android & Secure Linux	
Fingerprint Sensor	500dpi FBI Certified Optical Sensor	
Communication Options	TCP/IP, USB Aux, RS-485 (OSDP v2)	
Ethernet	100BASE-T	
USB	USB 2.0 (OTG)	
Wiegand	Customizable up to 512 bits	
# of SPO	1	
Door Access Controller	Relay rating 2A@24VDC (1 Output, 2 Input, 1 Relay)	
Anti Shock Vandal Protection	Standard	
LCD	2" IPS Cap Touchscreen	
Screen Protection	Corning Gorilla Glass	
LEDs	RGB (Power & Status)	
Audio	Speaker	
1:N Users (Fingerprint)	10K users (20K biometric records)	
1:1 Users (Fingerprint)	25K users (50K biometric records)	
Template Storage (Privacy)	Configurable – On Device, Server or Card	
Matching Speeds	< 1 second	
# of Transaction Logs	100,000	
PoE	IEEE 802.3af	
Power Supply	PoE, 12 VDC@1A, 24 VDC@0.5A	
Environmental Rating	IP65, IK08	
Operating Temperature	0° to +60° C (32° to 140° F)	
Relative Humidity	0-80% non-condensing	
Regulatory Approvals & Certificates	FCC, CE, RoHS, UKCA, BIS	
Dimensions	178 mm x 53 mm x 52 mm (L x W x D)	

#### DIMENSIONS



------ 53 mm------

—— 52 mm ——

#### **DEVICE MODELS**

Product	Model	Color
MERGE 2	FP22   Fingerprint + RFID Reader <sup>†</sup> (MiFARE / DESFire)	Black & Chrome
	FP4   Fingerprint + RFID Reader <sup>†</sup> (iCLASS / MiFARE / DESFire)	

More Details



†iCLASS - 13.56 MHz (iCLASS Standard, iCLASS SE/SR/SEOS)
MiFARE - 13.56 MHz (MiFARE Classic, DESFire, DESFire EV1/EV2\*)
\*DESFire EV2 cards are supported by having backward compatibility of DESFire EV1 cards.