

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



DEVICE MODELS

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