

IXM MERGE CR

**The Only Edge Card Reader
with a Built-in Controller.**

MERGE CR is a modern take on card readers and is a succinct expression of Invixium's DNA. Designed to be an edge device to work as a standalone reader, MERGE CR consists of a built-in controller and on-board memory for storage. By balancing cost-effectiveness with the core features end users want most, MERGE CR delivers outstanding value for the card reader access control market.

With stripped-down features, the true beauty of MERGE CR shines through highly used elements such as PoE compatibility, Wiegand, OSDP v2, customizable LEDs and support for MiFARE and DESFire cards. Its slim, exquisite form factor is a perfect complement to any indoor space. This masterwork of engineering upholds the design and quality standards that Invixium is committed to providing and is interoperable with our other products through IXM WEB.



TECHNICAL SPECIFICATIONS

Processor	ARM Cortex A8 - 800 MHz
RAM	512 MB DDR3L @ 303 MHz
Flash Memory	512 MB
Operating System	Android & Secure Linux
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
LEDs	RGB (Power & Status)
Audio	Speaker
1:1 Users (Cards)	50K users
Verification Speed	< 1 second
# of Transaction Logs	25,000
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	139 mm x 47 mm x 34 mm (L x W x D)

DIMENSIONS



DEVICE MODELS

Product	Card Reader	Color
MERGE CR	RFID Reader† (MiFARE / DESFire)	Black & Chrome

More Details



†MiFARE - 13.56 MHz (MiFARE Classic, DESFire, DESFire EV1/EV2*)
 *DESFire EV2 cards are supported by having backward compatibility of DESFire EV1 cards.