

GMA8686 Smart Scan Module

GMA8686 is a cutting-edge access control device that fully supports the Wiegand protocol, a widely-used communication standard for transmitting data between access control readers and controllers. Designed with flexibility in mind, it is particularly popular in the field of access control systems where security and convenience are top priorities. One of its standout features is its compatibility with 86 box installation, making it highly versatile and easy to integrate into various environments. GMA8686 is also engineered to provide a hassle-free maintenance experience. In the event of panel damage, users do not need to worry about extensive repairs or wall destruction. Simply unscrew the panel and replace it - no need to disturb the existing wall or mounting infrastructure. This design significantly reduces both time and costs associated with maintenance, offering a long-term, cost-effective solution for users.

FEATURES

• Aesthetic Appearance

GMA8686 features a sleek design that enhances the modern look of retail counters and strengthens brand identity. When integrated with smart access systems, it highlights a company's digital presence.

• Paper and Screen Code Reading Available

GMA8686 accurately reads paper and on-screen QR codes, with optimized performance for complex scenarios like low light, obstructions, or screen films.

• Support Mainstream Windows, Android, Linux Operating System Platforms

It avoids reliance on specific platforms, ensuring business continuity, reducing policy risks, and meeting urgent enterprise needs.



PERFORMANCE CHARACTERISTICS

Optical Resolution	640*480 CMOS
Illumination	White LED
Frame Rate	30FPS max.
Reading Speed	100ms, continuous reading and Inductive reading available
Reading Distance	0 - 10cm from the scan window
Reading Angle	360°
Card Type	ISO14443 A Card, Mifare Card, ISO15693 Card, China Identification Card
Supported Symbolologies	EAN-8, EAN-13, Code128, Code39, UPC-A, UPC-E, ISBN-10, Interleaved 2 of 5, QR Code, PDF417

PHYSICAL PARAMETER

Dimension	86 x 86 x 35mm
Weight	80g
Notification	Beeper, Green LED
Operation Voltage	5V - 15V
Operation Current	220mA(in average) 300mA max.
Interfaces	Virtual Com Port, RS232/485, Wiegand26/34, USB-HID

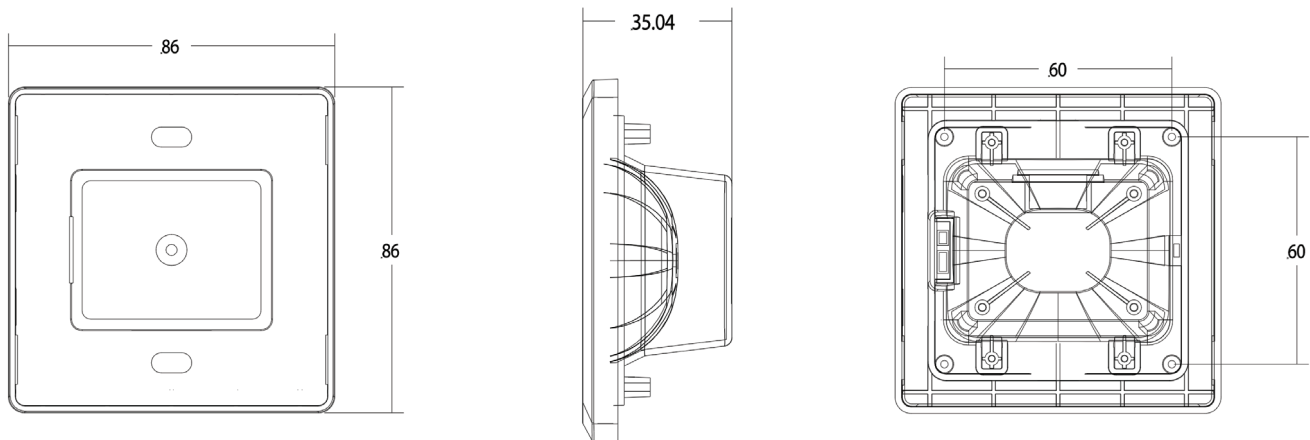
USER ENVIRONMENT

Operating Temperature	-20°C~60°C
Storage Temperature	-30°C~70°C
Humidity	5%~95% non-condensing
Supported OS	Windows all series, Android, Linux

PRODUCT SPEC SHEET

Smart Scan Module GMA8686

DIMENSIONS



PIN	Definition	I/O	Description
1	D+	I/O	USB_D+ signal
2	D-	I/O	USB_D- signal
3	+5V	-	Power, +5V - 12V
4	GND	-	Power
5	TX	I/O	RS232 TX/UART TX/485A
6	RX	I/O	RS232 RX/UART RX/485B
7	D1	O	Wiegand D1
8	D0	I	Wiegand D0



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