GENERALSCAN

GMA6562 Smart Scan Module

GMA6562 is well-suited for vehicle access control at parking lots, toll stations, and unattended gate systems, supporting detection from distance up to 150cm, enabling non-stop vehicle identification. Vehicles can pass without stopping, enabling seamless and efficient user experience and improving traffic flow efficiency. Its performance meets the demands of high-frequency and high-efficiency traffic flow scenarios. With robust recongnition capabilities and environmental adaptability, it is ideal for applications in intelligent transportation and smart city solutions.

FEATURES

• Long-range reading capability
GMA6562 supports identification from distances up to 150 cm, significantly outperforming conventional short-range devices.

• Superior Screen Barcode Reading
The GMA6562 is specially tuned for screen barcode decoding, capable of accurately reading low-brightness, film-covered, reflective, and high-density screen barcodes.

• Non-stop access
With its high-speed decoding algorithm and extended reading distance, GMA6562 enables vehicles to pass through without stopping or slowing down, realizing seamless and efficient user experience.

PERFORMANCE CHARACTERISTICS

Imager Sensor	CMOS
Optical Resolution	1280*800 pixels
Illumination	Red LED
Readability	≥3mil code128 1mil = 0.0254mm
Field of View	Horizontal 40°, Virtual 25°
Screw, Pitch, Roll	Skew tolerance: ±60° from normal
	Pitch tolerance: ±60° from normal
	Roll tolerance: 360° from normal
Supported Symbologies	**1D:** UPC-A, UPC-E, EAN-13, ISBN10, ISBN13, EAN-8, Code39, Code11, Matrix 2 of 5, Interleaved2 of 5, MSI, Code93, Code128, Code32, Industrial 2 of 5, S25, Trioptic39, Telepen, GS1_128, Codabar, GS1_Databar, RSS, GS1_Databar_LIM, GS1_Databar_EXP, China Post Code
	2D: Aztec, QR Code, Micro QR Code, Hanxin Code, MicroPDF, Codablock_F, Datamatrix, Maxi Code, PDF417

PHYSICAL PARAMETER

Dimension	65 x 61.6 x 29.4mm
Weight	40g
Notification	Beeper
Operation Voltage	DC 4.8V - 5.2V
Operation Current	200mA max.
Standby Current	100mA
Interfaces	USB, RS232, TTL232, 485

USER ENVIRONMENT

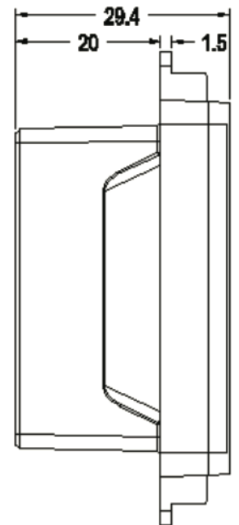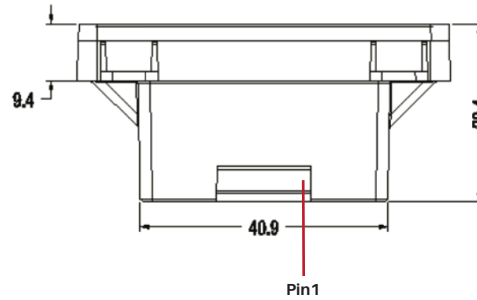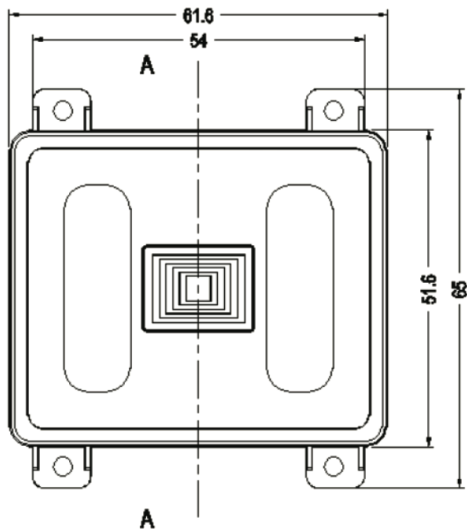|	
Operating Temperature	-30°C~65°C
Storage Temperature	-40°C~80°C
Humidity	5%~95% non-condensing

DECODE RANGE

Alipay Payment Code	100 - 1100MM
WeChat Payment Code	100 - 1150MM

PRODUCT SPEC SHEET
Smart Scan Module GMA6562

DIMENSIONS

PIN	Definition	I/O	Description
1	BUZZER	O	Buzzer Indicator
2	KEY	I	Key, low level means press to start scanning, high level means no operation.
3	USB_D+	I/O	USB HID/USB Virtual UART
4	USB_D-	I/O	USB HID/USB Virtual UART
5	LED_C	O	Scanning light indicator, low level on, high level off
6	RXD	I	UART RX 33V pull-up, RS232 RX
7	TXD	O	UART TX 3.3V pull-up, RS232 TX
8	EN	-	Please keep floating
9	GND	-	Power
10	REST	I	Reset pin, active low
11	GND	I	Power input - Negative

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