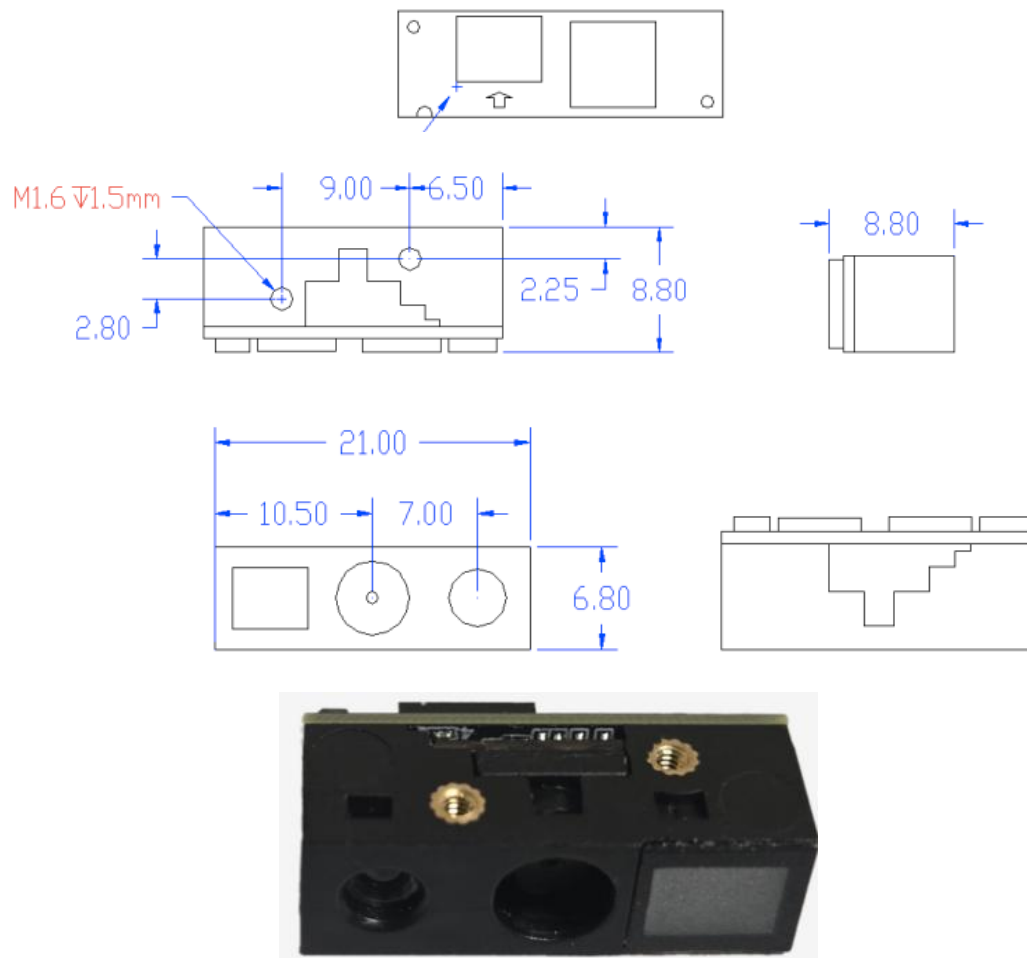


E1-W Series Scan Engine Data Sheet

Acquisition Performance		
Sensor	640 X 480 Pixels	
Acquisition Speed	1/120fps	
Reading Performance		
Precision	2D≥5mil, 1D≥3mil	
Field of View	Level 68°, Vertical 51°, Diagonal 78°	
Scan Angle	Roll 360°, Pitch ± 55°, Skew ± 55°	
Symbology	2D Code: QR Code, Data Matrix, PDF417, Hanxin Code etc	
	1D Code: UPC-A, UPC-E, EAN-8, EAN-13, ISBN, Code 128, GS1 128, ISBT 128, Code 39, Code93,Code 11, Interleaved 2 of 5, Industrial 2 of 5,Matrix 25, Standard 25, Codabar, MSI/MSI PLESSEY, GS1 DataBar etc	
	Standard OCR-A, OCR-B (*Special Version)	
Depth of Field	15- 85mm (Depends on different codes and size)	
	Code39-5mil	25-55mm
	QR-15mil	15-85mm
	PDF417-6.7mil	20-65mm
	DM-10mil	20-60mm
Minimal Print Contrast	Minimum 20% reflection difference	
LED		
Illumination	White	
Laser Aiming		
Aiming	Red	
Physical Parameter		
Dimension	(W×H×D) : 21mm×6.8mm×8.8mm	
Weight	<2g	
Interface		
Interface	UART, USB	
Decoder board socket	13pin , 0.3mm Pitch ,Upper and lower contact	
Scan Mode	Trigger Mode/Command Mode/Sense Mod	
Fixing screw	2 screw holes with a diameter of 1.6mm and a depth of 1.8mm; It is recommended to use M1.6mm machine screws, with a maximum locking depth of 1.5mm	
Environmental Data		
Operating Temperature	-30℃ ~ 70℃	
Storage Temperature	-40℃ ~ 80℃	

Humidity	5% ~ 95% (no-condensing)
Ambient Light	Max.100,000 Lux
Electrical Parameter	
Input Voltage	3.3V±0.3V
Current@3.3VDC Operating	<190mA
Current@3.3VDC Standby	10mA

Dimension Drawing (Tolerance±0.2mm)



PIN Definition

NO	PIN	Signal Type	Description
1	VDD	Power	3.3VPower Supply,same as PIN 2
2	VDD	Power	3.3VPower Supply
3	GND	Power	Ground
4	RX	Input	UART Receive,TTL Level
5	TX	Output	UART Send,TTL Level
6	D-	Bi-directional Difference	USB D- Signal
7	D+	Bi-directional	USB D+ Signal

		Difference	
8	PLED	Output	External LED Signal Outputs (High Level is Valid) , Need External Drive
9	BUZ	Output	Beeper Signal Outputs (High Level is Valid), Need External Drive
10	LED	Output	Indicator light signal output (High Level is Valid)), Need External Drive
11	NC		Non Connect
12	nTRIG	Input	Trigger Signal Inputs, Low Level is Valid
13	GND	Power	Ground, same as PIN 3