



RT218

Small Barcode Scan Engine



The RT218 is outstanding at its super compact design, laser accurate aiming, and its excellent performance for decoding almost 1d&2d bar codes: QR codes, Aztec, Maxicode, EAN-13, EAN-8, UPC-A, UPC-E, Code128, Code 39, Codabar, UCC/EAN 128, RSS, ITF-14, ITF6, Standard 2 of 5 etc.

It is suitable for all kinds of small terminals:

PDA, POS, Tablet, Notebook, Bluetooth ring scanner, Bluetooth pocket scanner, etc.

| Compact and Lightweight Design

The miniature size, light weight and seamless integration of imager and decoder board facilitates the integration of the barcode scan engine RT218 into a wide variety of thin-and-light equipment.

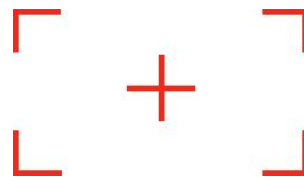


| Read Poor Quality Bar Codes

Applied with newest technology, this barcode scan engine can easily read even poor quality bar codes: damaged bar codes, low contrast bar codes, torn bar codes, warped or wrinkled bar codes.

| Square & Cross aimer

With a square & cross aimer, users can accurately and easily point to the barcode and achieve quick reading. This makes a better user experience.



| Excellent Bar Code Reading Performance

Great performance to read most types of common 1d /2d bar code, whatever read from paper or from phone screen.

Performance	Image Sensor	640 * 480 CMOS		
	Illumination Aiming	White LED Cross envelope		
	Symbologies	2D	PDF417 , QR Code, Data Matrix, Aztec, Maxicode	
		1D	EAN-13, EAN-8, UPC-A, UPC-E, Code128, Code 39, Codabar, UCC/EAN 128, RSS, ITF-14, ITF6, Standard 2 of 5, Matrix 2 of 5, Industrial 2 of 5, Plessey, MSI Plessey, Code 11, Code 93, etc.	
	Resolution	For 2D: ≥5mil , 1D: ≥5mil , (differ from different type bar codes)		
	Typical Depth of Field	Code128	40-210mm (5mil)	
		Code 39	40-220mm (5mil)	
		PDF417	60-130mm (5mil)	
		Data Matrix	50-90mm (10mil)	
		QR Code	35-230mm (20mil)	
	Scan Mode	Sense mode, Continuous mode, Command trigger		
	Scan Angle	Roll: 360°, Pitch: ±55°, Skew:±55°		
	Field of View	Horizontal 42°, Vertical 32°		
Min. Symbol Contrast	25%			
Mechanical/ Electric	Interface	TTL-232 by itself; USB or RS232 by EVK board		
	Dimensions	23.5(W)×16.32(D)×6.8(H) mm (max.)		
	Weight	3g		
	Notification	Beep, LED indicator		
	Operating Voltage	3.3VDC ± 5%		
	Current @ 3.3VDC	Trigger mode: operating : 160mA; standby: 25.5mA; peak (power on): 360mA Sense mode: operating : 160mA; standby: 124.5mA; peak (power on): 360mA		
Environmental	Operating Temperature	-30°C to 70°C		
	Storage Temperature	-40°C to 80°C		
	Humidity	5% to 95% (non-condensing)		
Accessories (optional)	Development kit board:	USB	USB virtual Com or USB-HID; equipped with a trigger button, beeper and USB interfaces.	
		RS232(optional)	DB9 RS232 kit board; equipped with a trigger button, beeper, and RS 232 interface, power adapter	



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