



RT200

OEM Scan Engine – 2D Barcode Imager



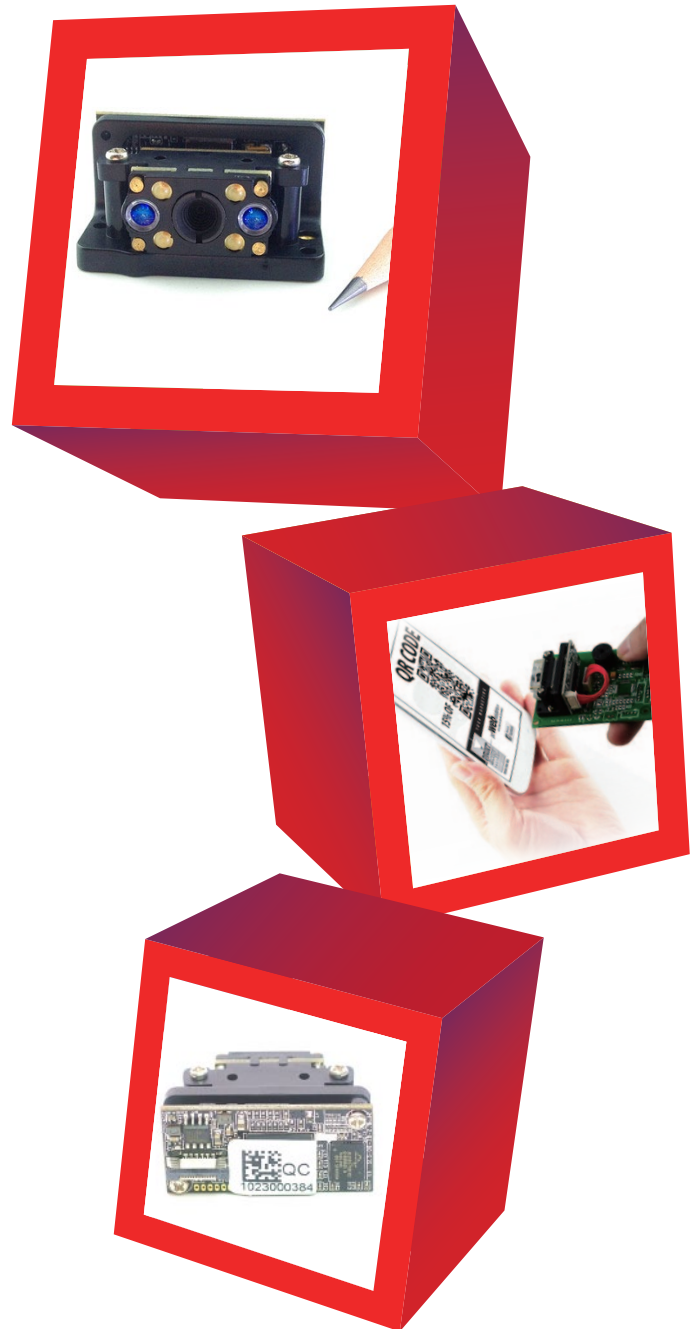
OEM 2D Barcode Scan Module For Kiosk

UART / USB-VCOM / USB-HID / RS232
Readable 1D / 2D Codes From Paper And LCD Screen



2D Barcode Imager

- ▶ Based on state-of-the-art CMOS technology & advanced image processing and decoding technology, RT200 is a high performance 2D imager, it can read poorly printed 1D/2D bar code, and also can read 1D/2D bar code from mobile phone screen .
- ▶ As an embedded module, it's compact designed and widely used for data collection terminals, kiosks, robotic automation, medical instruments and countless other applications. Many manufacturers have chosen RT200 for their product design and used for embedded, high-performance data collection.
- ▶ The RT200 is also outstanding in user friendly, in addition to the TTL UART interface, it also supports USB output with our evaluation kit board, and we also provide open SDK API such as image capture, I/O interface, etc. for integration.

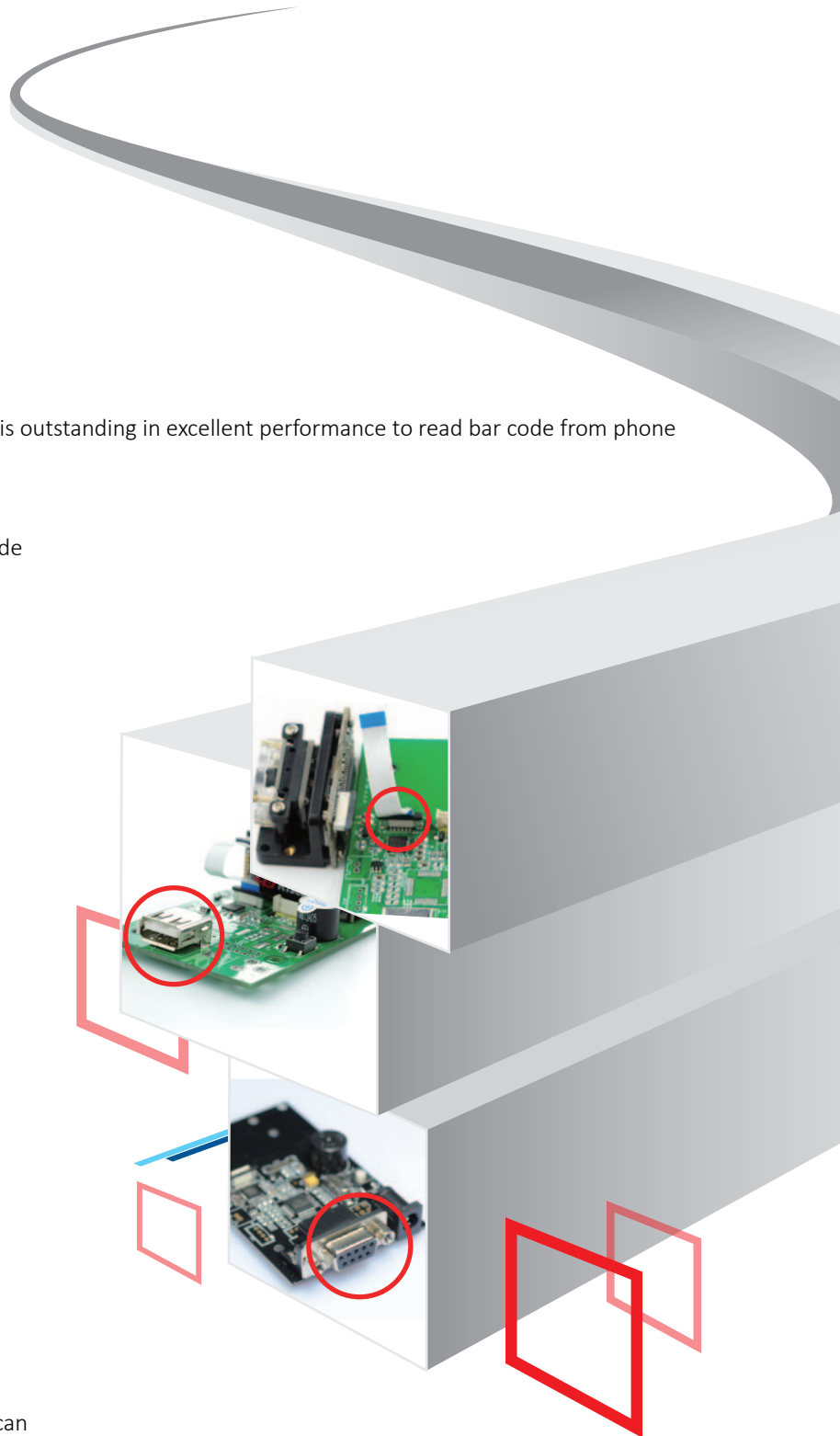


Features:

- Compact, easy to be embedded
- Support most of 1D/2D code decoding
- With high performance processing chip inside, it is outstanding in excellent performance to read bar code from phone screen
- Easy to be programmed, support firmware upgrade
- Flexible with customization

Interface:

- ▶ TTL: the module itself with TTL serial output
- ▶ USB: the emulation kit board with USB interface (the emulation kit board can be bought together)
- ▶ RS232: the interface of the emulation kit board can be also RS232



- ▶ The emulation kit board provides RS232 or USB interface, with very compact design.

By using this emulation kit board together, you can reduce time to develop and integrate the 2D imager with your system so as to speed up your process to promote your system to the market.

Specification:

Mechanical

Dimensions (LxWxH)	36.35mm×19.43mm×23.3mm.
Weight	25 g

Electrical

Input Voltage	3.3 VDC
Operating Power	9.9 W (300mA @ 3.3 VDC)
Standby Power	2.21 W (70mA @ 3.3VDC)
Host System Interfaces	TTL level serial, or if with emulation kit: USB virtual COM, RS232
LED class	EN62471:2008
Electromagnetic compatibility	EN55022, EN55024, EN60950-1

Environmental

Operating Temperature	0°C to 40°C
Storage Temperature	-40°C to 60°C
Humidity	5% to 95% relative humidity, non-condensing
Drop	withstand 1.0 m drops to concrete on each of the faces
Illumination Level	0 to 100,000 lux

Scan Performance

Scan Pattern	Area Image
Optical Resolution	752*480 pixels
Scan Angle	Omnidirectional
Symbol Contrast	25% minimum reflectance difference
Pitch, Skew	75°, 75°
Decode Capability	2D: PDF417, Data Matrix, QR code, Aztec 1D: UPC\EAN (UPC-A, UPC-E, EAN-13, EAN-8), Codabar, Standard 2 of 5 (Industrial 2 of 5), Matrix 2 of 5, interleaved 2 of 5, Code11, MSI, GS1 DataBar, Code 128, Code 39, Code 93

Warranty	1 year factory warranty
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Configuration Tool :

