

Auto Sense Fixed Scanner Module 2D Embedded Mount QR Barcode Scanner

(M/N:OCBS-F2203)

Brief introduction

F2203 can read all kinds of mainstream one-dimensional bar codes and standard two-dimensional barcodes (various versions of PDF417, QR Code and Data Matrix. F2203 supports fast reading of bar codes on various printed and display media such as paper, plastic, LCD screens. The integrated design of a single structure with its own decoding engine and multiple external interfaces only requires minimal installation space and is very convenient to embed into various applications such as self-service terminals express cabinets vending machines parking charges and so on.

Application scenario: car park exit self-service payment, subway ticket machine, ticket gate machine, VTM machine, e-commerce self-withdraw cabinet, smart home storage cabinet, ATM self-service cabinet, self-help inquiry terminal, queuing call number equipment, certificate manufacturing equipment, etc.

Inlay

When integrating F2203, you can refer to the following physical size specifications. The structure is designed to note that other components cannot oppress F2203 devices.

Power requirement

Supply of power input must be allowed after the F2203 is connected. If the cable is plugged or removed from the F2203 (live hot-swappable) when the cable is live, the electronic parts of the F2203 will be damaged, make sure the power supply is cut off when the cable is plugged out.

Bad power connection or too short interval power off operation, or too large voltage drop pulse may cause the F2203 not to be in a stable and normal working state, so it is necessary to keep the power input stable. After the power input is turned off, it takes more than 2 seconds to turn on the power input again.

Specifications

Physical Characteristics

Sensor	CMOS
Sensor Revolution	642*484
Interface	USB and RS-232
Reading Distance	EAN13 0-45mm @13mil QR Code 0-40mm @15mil
Printing contrast	0.2
Scan Angel	Roll 360° Pitch $\pm 40^\circ$ Skew $\pm 30^\circ$
Symbologies 1D	Code 128, EAN-13, EAN-8, Code 39, UPC-A, UPC-E, Codabar, Interleaved 2 of 5, ITF-6, ITF-14, ISBN, Code 93, UCC/EAN-128, GS1 Databar, Matrix 2 of 5, Code 11, Industrial 2 of 5, Standard 2 of 5
Symbologies 2D	QR Code ,PDF417, Data Matrix

Electrical parameters

Voltage	4.5~5.5 V DC
---------	--------------

Max Current	236mA
Operating Current	198mA
Standby Current	60mA 10mA[sleep]
Environmental	
Operating Temperature	-20°C~50°C
Storage Temperature	-30°C~70°C
Humidity	5%~95%

