

QR & Barcode Scanner

Waterproof RS232 scanner — all common 1D and 2D symbologies

**IP68**WATER & DUST
PROOF**-10 to 60 °C**

OPERATING RANGE

231D & 2D
SYMBOLOLOGIES**115200** baudDEFAULT RS232
RATE**OVERVIEW**

The IoTReady QR & Barcode Scanner is a fixed-mount RS232 reader built for places a handheld consumer scanner will not survive. The optics sit behind an **IP68** enclosure in a rugged, powder-coated metal body, so the unit can be hosed down, splashed or submerged without a sealed cabinet around it.

It reads **all common 1D and 2D symbologies** — including QR Code, Micro QR, Data Matrix, PDF417 and Aztec — with a built-in white LED for illumination and a circular red aiming light, so operators get an unambiguous target even in a dark bay or under a canopy.

Integration is deliberately plain: a DB9 RS232 connection at a configurable baud rate, with **optional power on Pin 9** so a single cable carries both data and supply — no separate DC run to the scan point. The unit is compatible with IoTReady Data Loggers; confirm compatibility with your host system before ordering.

APPLICATIONS**Washdown and wet areas**

- Food processing, dairy and packhouse lines cleaned between shifts
- IP68 body tolerates direct hose-down without an enclosure

Fixed scan points

- Conveyor, weighbridge and dispatch-gate identification
- Single DB9 run carries data and power to the scan point

Data-logger capture

- Feeds scanned IDs straight into IoTReady Data Loggers over RS232
- Pairs a scanned item with the logger's sensor record

KEY FEATURES**IP68, hose-down rated**

Sealed against water and dust, in a powder-coated metal body chosen for impact resistance — rated for continuous duty from -10 °C to 60 °C.

All common 1D & 2D codes

17 one-dimensional symbologies and 6 two-dimensional, covering QR Code, Micro QR, Data Matrix, PDF417, Micro PDF417 and Aztec.

Illumination and aiming built in

A bright white LED lights the target and a circular red aiming light shows the operator exactly where the read window sits — no external lamp.

Optional power on Pin 9

Supply the scanner through Pin 9 of the DB9 connector and a single cable carries both data and power, removing the separate DC run.

Configured by scanning barcodes

Baud rate, symbology sets and factory reset are all set by scanning printed configuration codes — no driver, no software, no laptop in the field.

Selectable symbology sets

Disable 1D or 2D decoding to speed up reads when a site only ever presents one kind of code.

INTEGRATION**Serial Interface****RS232 · DB9 CONNECTOR**

Baud	1200 4800 9600 14400 19200 38400 57600 115200
Default	115200
Power	optional, Pin 9 (DB9)

Decoded barcode data is presented over RS232 at the configured rate. Pin 9 optionally supplies the scanner, so one cable serves the scan point.

Field ConfigurationScan **ENTER SETTINGS MODE**

Scan the setting to apply

baud rate · 1D on/off · 2D on/off · factory reset

Scan **EXIT SETTINGS MODE**

Every setting is applied by scanning a printed code. After a factory reset, scan **ENABLE RS232 MODE** to return the unit to RS232 operation.

Configuration barcode sheet: erp.iotready.co/wiki/barcode-scanner-rs232 — print it and keep it at the scan point.

TECHNICAL SPECIFICATIONS

SKU	BARCODE-RS232	Operating temperature	-10 °C to +60 °C
Interface	RS232, DB9 connector	Illumination	White LED, with circular red aiming light
Baud rate	1200 to 115200, configurable (115200 default)	1D symbologies	Codabar, Code 39, Code 32, Interleaved 2 of 5, Industrial 2 of 5, Matrix 2 of 5, Code 93, Code 11, Code 128, UPC-A, UPC-E, EAN-8, EAN-13, MSI, ISSN, ISBN, GS1 DataBar
Power	Optional supply on Pin 9 of DB9	2D symbologies	PDF417, Micro PDF417, QR Code, Micro QR, Data Matrix, Aztec
Enclosure	IP68, water and dust proof	Configuration	By scanning printed configuration barcodes
Body	Powder-coated metal, impact resistant	Host compatibility	IoTReady Data Loggers — confirm for your host system

Specifications are subject to change without notice. Decode performance depends on symbol size, print quality, contrast and working distance. © 2026 IoTReady Solutions. All rights reserved.