QSCANI

Indoor 2-D Barcode Scanner

- Reads QR Codes
- Fast Decoding
- Programmable formatting options allow you to choose which data to read from the barcode and how to transmit it
- 12-24Vdc operation
- Optional Relay
- Optional digital inputs for door sensing or an arming loop
- Optional RF (Prox, Iclass, Mifare) including IBC Ec1 support
- Optional Bluetooth
- Single Gang Mounting

Qscan is the perfect reader to read employee ID's, visitor badges, print-at-home event tickets, driver's licenses, and even qr codes from smartphones.

Qscan reads over 30 barcode symbologies, including Code39, Interleaved 2 of 5, PDF417, Datamatrix, Aztec, and QR.

Proximity, iClass©, Mifare, and Nfc/Bluetooth are available as optional add-ons.

Options:	125K proximity 13.5 Mhz iclass, mifare Nfc/Bluetooth	Relay Sense inputs
Interfaces:	Wiegand Rs232 Aba Tcp/ip	F2f Wand emulation

International Bar Code

International Barcode® 160 Oak St. Glastonbury, CT 06033 phone: 860.659.9660 fax: 860.657.3860 e-mail: sales@interbar.com web: https://interbar.com

Specifications

Barcode Read Range:	3”-18” depending on size of barcode
Symbologies (1D):	Code 39, I 2 of 5, 2 of 5, Code 128, Codabar, Ean8, Ean13, Jan8, Jan13, Upce, Upca, M2of5, K3of5, Postnet, Postbar, Kix, Planet, Msi, Code11, Code93
Symbologies (2D):	Pdf417, Micropdf, QR, Aztec, Datamatrix
Interfaces:	Wiegand, up to 250 bits, aba, f2f , wand, Rs232, TCP / IP, Hid 5352
RF (optional, option H):	125khz prox (Ibc,Hid,Awid,Casi,Farpointe,EM)
RF (optional, option I):	13Mhz (Iclass, Iclass SE, Iclass SR, Seos, Mifare CSN, PIV[1])
RF (optional, option B):	125khz prox (Hid,Awid,EM[1]), 13Mhz (Iclass, Iclass SE, Iclass SR, Seos, Mifare CSN, PIV[1])
Relay (optional):	Form C, 500ma max
Digital Inputs (optional):	2, one may be programmed for an arming loop
Power Consumption:	450ma max, 250ma typical @12vdc, Acceptable supply voltage 12-24vdc
Material:	ABS, Beige, Charcoal Black, or Dark Gray
Dimensions:	5.5” H x 4.25” W x 1.4” D
Weight:	1 lb.
Mounting:	Concealed Front, Single Gang
Indicators:	2 programmable LEDs
Temperature:	-40°C to +85°C
Standard Wiring (Fixed):	3ft (91.5cm) cable with DB9 female (RS232), flying leads (wiegand, aba, wand, f2f), RJ45 (TCP / IP)
Nfc/Bluetooth:	IBCBlue support, available with wiegand (G) output only

[1]Must be specified at time of order

Specifications Subject to change without notice

Wiring

For color codes refer to back of reader.

Rs232 Interface

+VDC
GND
Reader Transmit
Reader Receive

Wiegand / ABA / Wand Interface / 5v F2F (readers without BLE)

+VDC
GND
Data 1 / Mag Data / Wand /f2f
Data 0 / Mag Clock
Green LED
Bi-color LED

Wiegand (readers with BLE) - see notes on right

+VDC
GND
Barcode/RF Data 1
Bluetooth Data 1
Data 0
Green LED
Bi-color LED
Flash Update

12v F2F

+VDC
GND
Reserved
Reserved
Green LED
Bi-color LED
F2F

Relay Wiring

Normally Closed
Normally Open
Common

Sense Input Wiring

Sense Input 1 or Arming Loop
Sense Input 2

TCP

RJ45 Plug

Special note for wiegand output readers that also contain the BLE option:

In order to provide easy flash updates, readers that contain the Bluetooth option have 2 additional wires. For normal operation the white and brown wires are connected together. They are separated to provide flash updating and programming capability.

Colors

Dark Gray
(Code DG)

Charcoal Black
(Code CB)

Beige
(No Color Code)

How to Order

Order Qscani with code to indicate options required.

QSCANI - [RF] [INTERFACE] [RELAY] [SENSE] - [BLE] [COLOR] [ANGLE] [SPECIAL]

Ble, Color, and Angle are optional parameters. Use only those that are applicable.

RF
- No RF - 0
- IBC,Hid, Farpointe,Awid,Casi, EM Prox – H [1]
- Iclass- I [2]
- Iclass & Hid,Awid Prox - B [3]
- Mifare CSN– M [4]

INTERFACE
- Rs232 – S
- TCP / IP – C
- Wiegand/aba/wand/f2f(5v) - G
- F2F(12v) - F

RELAY
- No Relay – 0
- Relay - R

SENSE INPUTS
- No Sense Inputs - 0
- Sense Inputs - S [5]

BLE (Nfc/Bluetooth)
- No Bluetooth - leave out
- Bluetooth - B [6]

COLOR
- Beige - leave out
- Charcoal Black - CB
- Dark Gray - DG

ANGLE
- 5 degrees - leave out
- 0 degrees - 0
- 23 degrees - 1

SPECIAL
- POE - P [7]

1 Cards Supported (125k): Ibc, Hid, Farpointe, Awid, Casi, EM. Awid support 26 bit only. Casi support 40 bit Proxlite only. EM support 32 bit and 40 bit.

2 Cards Supported (13.5m): Iclass, Iclass SE, Seos. Mifare CSN can be added as a special configuration (see notes on page 4.

3 Cards supported (125k): Hid, Awid.
Cards Supported (13.5m): Iclass, Iclass SE, Seos.
Mifare CSN can be added as a special configuration (see notes on following page). EM can be added as a special configuration (see notes on page 4).

4 Cards Supported: Mifare. CSN output only, 32 bits and 56 bit.

5 Sense inputs are standard with wiegand and f2f interface.

6 Bluetooth available with wiegand interface only.

7 POE available with tcp interface only.

EXAMPLES:	QSCANI-0G000	Qscani with wiegand interface
	QSCANI-0G00B	Qscani with wiegand interface and bluetooth
	QSCANI-HCR0DG	Qscani with 125K prox,tcp interface, relay, dark gray housing
	QSCANI-BG00CB1	Qscani with 125K prox and 13.5mhz iclass, wiegand interface, charcoal black housing, 23 degree scan angle

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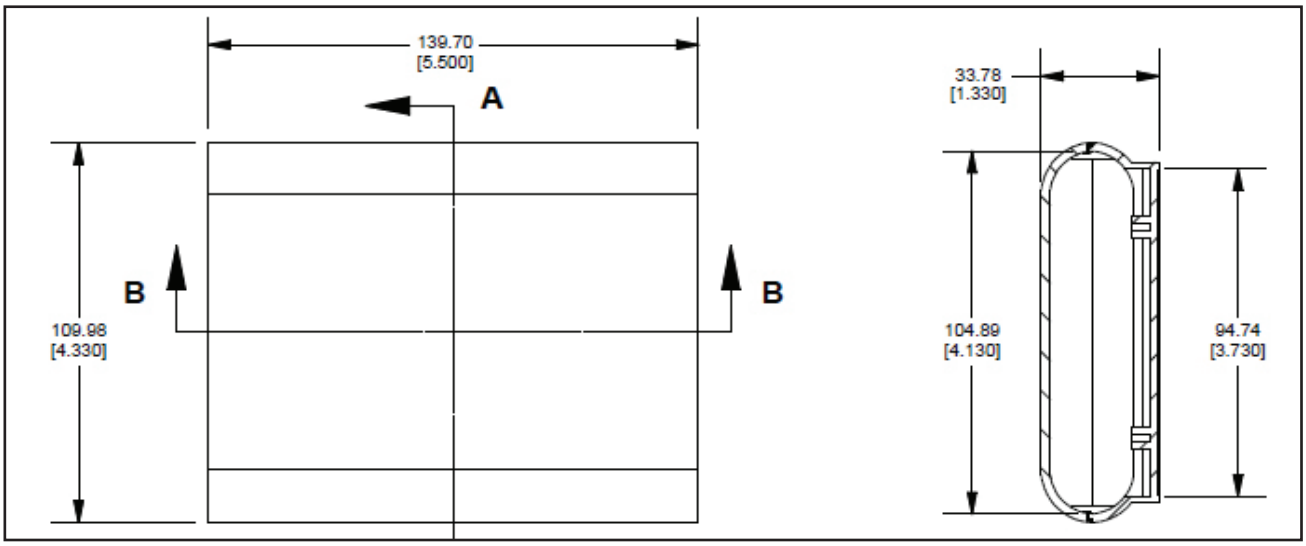
Dimensional Diagrams

Dimensional Measurements for the Qscani reader.



Notes for Ordering Qscani

POWER

Qscan readers are powered by 12Vdc. You can use your own power source or request an AC adapter from IBC when ordering. If connecting to an access panel verify that the panel can supply the required power to operate the Qscan.

WIRING

Standard wiring for Qscan readers with wiegand, aba, wand, or f2f is a 3' cable containing all data, led, and power wires.

Standard wiring for RS232 readers is a 3' cable with a DB9 female connector. The pinout is a direct connect to a pc. Connected to the DB9 connector is a short power pigtail for applying power or connecting an ac adapter.

Standard wiring for Qscan readers with tcp/ip is a 3' cable with an rj45 plug.

RF

Qscan can be ordered with embedded proximity to read Ibc, Hid, Awid, EM, Casi, and Farpointe cards. Qscan can also be ordered with embedded 13mhz support to read either Hid Iclass cards (HID Application Area PACS data), or Mifare CSN. Qscan can also be ordered to read both Hid prox and Iclass.

SENSE INPUTS

2 digital inputs may optionally be ordered. The digital inputs can be used for a door sense, gate sense, arming loop, or request to exit. Sense inputs are available with RS232 and TCP interfaces. Note arming loop functionality not available for Bluetooth.

RELAY

The optional relay is a form C relay and has a separate wire exiting the rear of the reader containing the isolated relay lines. A Relay is available with RS232 and TCP interfaces.

BLUETOOTH

Bluetooth can be ordered as an option only on readers ordered with a wiegand output. Not all configurations are possible with the Bluetooth option. Contact IBC for more information.

For custom wiring or firmware contact IBC.