

- Read barcodes from Cell Phones
- Fast Barcode Decoding
- Programmable formatting options
- 8-24Vdc operation
- Reads QR codes and Driver's Licenses
- Prox support for Ibc, Hid, Indala, Awid, EM, Casi, Farpointe
- 13.56mhz support for Iclass, Iclass SR, Iclass SE, Mifare.
- Iclass reading - Programmed ID number, or CSN
- Mifare CSN
- Customization available
- Optional Relay
- Optional Bluetooth



Integration of multiple technologies was never this easy. With Qscant you can read 1D and 2D barcodes, proximity cards, and 13.5mhz smart cards including Iclass SE and Mifare. Qscant is also optimized to read 2D barcodes from cell phones.

Over 30 barcode symbologies are supported, and best of all - the wiegand/aba/f2f interface makes connection to panels effortless, and the TCP/IP interface allows for easy network integration.

Proximity, iClass®, Mifare, and Bluetooth are available as optional add-ons.

Options:

125K proximity
13.5 Mhz iclass, mifare
Bluetooth

Relay
Sense inputs

Interfaces:

Wiegand
Rs232
Aba
Tcp/ip

F2f
Wand emulation
Hid 5352 serial

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):	QR, Pdf417, Micropdf, Aztec, Datamatrix
Interfaces:	Wiegand, up to 250 bits, aba, f2f (ttl level), wand emulation, RS232, Tcp/ip
RF (optional, option H):	125khz prox (Ibc,Hid,Awid,Casi,Farpointe,EM)
RF (optional, option I):	13Mhz (Iclass, Iclass SE, Iclass SR, Mifare CSN)
RF (optional, option B):	125khz prox (Hid,Awid,Indala ¹ ,EM ¹), 13Mhz (Iclass, Iclass SE, Iclass SR, Mifare CSN)
Power Consumption:	8-24Vdc, 500ma @ 12vdc peak, 200ma typical
Material:	Black ABS
Dimensions:	5" x 3.5" x 3.25" H approx. (standard model)
Weight:	10 oz.
Relay (optional):	Form C, 30Vdc 500ma max, available with rs232 or tcp interface only
Mounting:	4 screw bosses, #6
Indicators:	Good Read beep, Internal Led indicator (not available on -OR units)
Temperature:	-40°C to +85°C
Wiring:	Terminal block (wiegand,aba,rs232,Relay) or RJ45 plug (Tcp/ip)
Bluetooth:	BLE 4.0 compatible with ibcENTRY app, iphone only. Available only with wiegand (G) output

¹Must be specified at time of order

Specifications Subject to change without notice

Wiring

Terminal Block Positions. Note position 1 is closest to the speaker.

Wiegand / ABA / Wand Interface / 5v F2F

Pos 1	S2/NC
Pos 2	S1/NC
Pos 3	Data 1 / Mag Data / Wand /f2f
Pos 4	Data 0 / Mag Clock
Pos 5	+VDC
Pos 6	GND

Rs232 Interface

Pos 1	S2/NC
Pos 2	S1/NC
Pos 3	Reader Receive
Pos 4	Reader Transmit
Pos 5	+VDC
Pos 6	GND

TCP

RJ45 Plug and	
Pos 1	S2/NC
Pos 2	S1/NC
Pos 3	NC
Pos 4	NC
Pos 5	+VDC
Pos 6	GND

Optional Relay

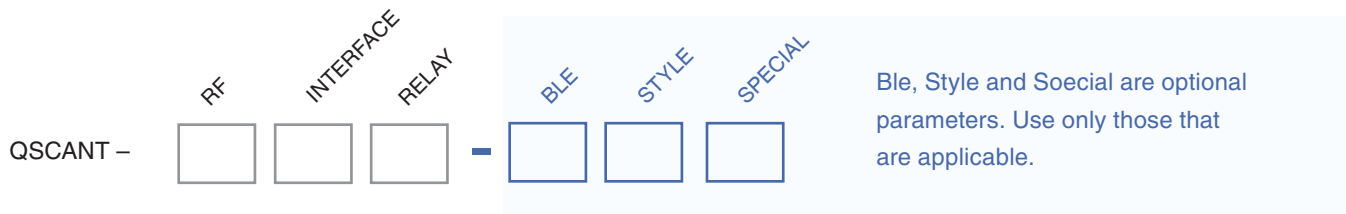
Pos 7	Normally Closed
Pos 8	Normally Open
Pos 9	Common

Optional Bluetooth

Pos 1	NC
Pos 2	NC
Pos 3	Data 1 / Mag Data / Wand /f2f
Pos 4	Data 0 / Mag Clock
Pos 5	+VDC
Pos 6	GND

Special note for Qscant's that also contain the BLE option:

The bluetooth board is separate and only Positions 1 through 4 are used. Wires connected to these positions should be combined with the similar block positions on the main board.



RF

None - 0
 IBC,Hid, Farpointe,Awid,Casi, EM Prox – H⁵
 Iclass- I²
 Iclass² & Hid,Awid,EM⁴,Indala^{3,4} Prox - B
 Mifare CSN– M⁶

INTERFACE¹

Rs232 – S⁹
 TCP/IP – C⁹
 Wiegand / ABA / Magstripe /
 f2f / wand / wieaba /
 alphanumeric wiegand – G

RELAY (rs232 or tcp only)

No Relay – 0
 Relay – R

BLE (Bluetooth)⁷

No Bluetooth - leave blank
 Bluetooth - B

STYLE⁸

Standard Model – leave blank
 Orion Model A – OR
 Orion Model B – ORB
 Alvarado Model A - AL
 Automatic Systems Model A - ASA

SPECIAL (-?)

Use this only for special configurations for which IBC has assigned you a number. The dash must precede your code.

¹For Hid 5352 serial emulation order RS232

²HID Application Area PACS data from Iclass, Iclass SE, Iclass SR, Iclass SEOS

³Indala 26 bit

⁴EM and Indala are not enabled by default. If you want EM or Indala support it must be specified at time of order.

⁵Casi support Proxlite 40 bit. EM support 32 bit or 40 bit. Not all formats supported. Contact IBC for more information.

⁶Mifare CSN only.

⁷Bluetooth available with wiegand interface only. Use requires subscription to ibcENTRY app.

⁸Contact your turnstile manufacturer to determine which size you should be using.

⁹Minimum purchase quantities may apply.

EXAMPLES:

QSCANT-0G0	Standard size Qscant with wiegand interface
QSCANT-0G0B	Standard size Qscant with wiegand interface and bluetooth
QSCANT-0G0BOR	Qscant with wiegand interface and bluetooth for use in Orion turnstiles (size A)
QSCANT-BSR	Standard size Qscant with 125K prox and 13.5mhz iclass, rs232 interface, and relay
QSCANT-0C0	Standard size Qscant with tcp interface

Notes for Ordering Qscant

POWER

Qscant 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 Qscant.

WIRING

All Qscant readers are supplied with a 6 position terminal block (9 if a relay is provided). Readers with tcp interface include a 3' cable with an rj45 plug, in addition to the terminal block.

RF

Qscant can be ordered with embedded proximity to read Ibc, Hid, Awid, EM, Casi, and Farpointe cards. Qscant can also be ordered with embedded 13mhz support to read either Hid Iclass cards (HID Application Area PACS data), and/or mifare cards (serial number only). Qscant can also be ordered to read both Hid prox and Iclass, and/or mifare serial number.

SENSE INPUTS

2 digital inputs are standard on the Qscant. The digital inputs can be used to control the internal led (standard sized units only), or for door sense, gate sense, arming loop, and request to exit functions for rs232 and tcp versions. Note arming loop functionality not available for Bluetooth.

RELAY

The optional relay is a form C relay and is available with RS232 and TCP interfaces.

STYLE

Qscant is currently available in 4 different sizes: the standard size, two smaller sizes for Orion turnstiles, and a smaller size for Alvarado turnstiles.

Consult with your turnstile manufacturer prior to ordering to ensure that you order the proper unit.

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.