QSCANT

Embedded Reader for Turnstiles and Kiosks

- Read barcodes from Cell Phones
- Fast Decoding
- Programmable formatting options
- 8-24Vdc operation
- Reads QR codes and Driver's Licenses
- Prox support for Ibc, Hid, Awid, EM, Casi, Farpointe
- 13.56mhz support for Iclass, Iclass SR, Iclass SE, Seos, Mifare CSN.
- Iclass reading - Programmed ID number, or CSN
- Customization available
- Optional Relay
- Optional Nfc/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 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 Hid 5352 serial

ibc®
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

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, Seos, Mifare CSN)
RF (optional, option B):	125khz prox (Hid,Awid,EM[1]), 13Mhz (Iclass, Iclass SE, Iclass SR, Seos, Mifare CSN)
Power Consumption:	450ma max, 250ma typical @12vdc, Acceptable supply voltage 12-24vdc
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:	Standard Model: 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)
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

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

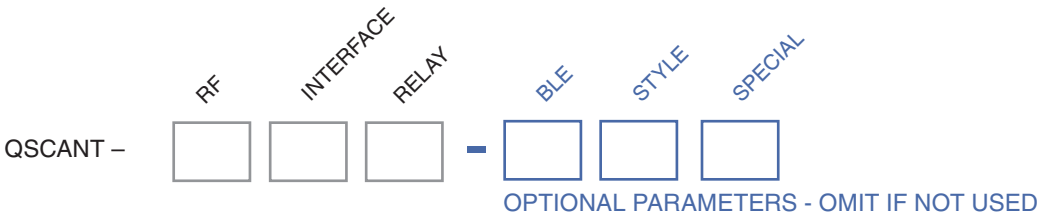
Pos 1 NC
Pos 2 NC
Pos 3 Data 1 / Mag Data / Wand /f2f
Pos 4 Data 0 / Mag Clock
Pos 5 +VDC
Pos 6 GND

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. On some models, the bluetooth board is mounted on the Qscant. If the bluetooth board cannot be mounted due to space, the board will be standalone and must be mounted inside the turnstile by the installer.

How to Order

Order Qscant with code to indicate options required.



RF

None - 0
IBC,Hid, Farpointe,Awid,Casi, EM Prox – H [4]
Iclass- I [2]
Iclass & Hid,Awid Prox - B [3]
Mifare CSN– M [5]

INTERFACE [1]

Rs232 – S
TCP/IP – C
Wiegand / ABA / Magstripe /
f2f / wand / wieaba /
alphanumeric wiegand – G

RELAY (rs232 or tcp only)

No Relay – 0
Relay – R

BLE (Bluetooth)

No Bluetooth - leave blank
Bluetooth - B [6]

STYLE

Standard Model – leave blank
Orion Model A – OR
Orion Model B – ORB
Alvarado Model A - AL
Automatic Systems Model A - ASA
Boon Edam Lifeling Swing - DMA

SPECIAL

Used for custom configurations for which IBC has assigned you a number. Include only if IBC has assigned you a special number, i.e. X123

1 For Hid 5352 serial emulation order RS232

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

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.

4 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.

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

6 Bluetooth available with wiegand interface only. Supports IBCBlue app.

IMPORTANT ORDERING INFORMATION

Not all ordering combinations are valid for all styles. Verify your part number requirement with ibc before ordering.

Consult the turnstile manufacturer (not ibc) to validate which part number will be compatible with your model turnstile.

The validation procedure is as follows:

Installer will contact the turnstile manufacturer to request the proper part number to fit in their turnstile.

The turnstile manufacturer engineers will review and contact ibc to request any information needed.

Only after the turnstile manufacturer provides a verified part number for each specific turnstile model, should the ibc Qscant be ordered.

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 6 different sizes: the standard size, two smaller sizes for Orion turnstiles, a smaller size for Alvarado turnstiles, a smaller size for ASA, and a smaller size for Boon Edam.

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

NFC/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.

QscanT Bluetooth is compatible with the IBCBlue app.

For custom wiring or firmware contact IBC.