

# QSCANTA

## Embedded Reader for Turnstiles and Kiosks with Hid Mobile and Nfc Support

- Read barcodes from cell phones, paper, and cards
- Supports NFC Mobile Credentials in Apple and Google Wallet
- Supports Hid Mobile Access Bluetooth
- Reads QR codes and Driver's Licenses
- Reads all Iclass cards including Seos
- Supports 3rd party mobile NFC credentials
- Optional Mifare CSN
- Optional Relay
- Two digital inputs
- Programmable formatting options
- 12-24Vdc operation
- Fast Decoding
- Customization available



Integration of multiple technologies into a turnstile was never this easy. With Qscanta you can read 1D and 2D barcodes, proximity cards, smart cards including Iclass SE and Seos, mobile credentials in Apple and Google wallets, and Hid bluetooth mobile access credentials. Qscanta is also optimized to read qr codes 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.

Future proof your turnstile with the Qscanta reader today.

Options: Mifare CSN reading  
Relay

Interfaces: Wiegand  
Rs232  
Aba  
Tcp/ip F2f  
Wand emulation



Barcode Read Range:	3"-18" depending on size of barcode
Symbolologies (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
Symbolologies (2D):	QR, Pdf417, Micropdf, Aztec, Datamatrix
Interfaces:	Wiegand, up to 250 bits, aba, f2f (ttl level), wand emulation, RS232, Tcp/ip, f2f(12v)
Prox Support:	Hid proximity
13.5 Mhz Support:	Iclass, Iclass SE, Iclass SR, Seos, optional Mifare CSN*
Bluetooth:	Supports Seos credentials in Hid Mobile App
Nfc	Supports mobile credentials in Apple and Google Wallet (programming required)
Power Consumption:	450ma max, 250ma typical @12vdc, Acceptable supply voltage 12-24vdc
Material:	Black ABS
Dimensions:	6.33" x 3.66" x 2.96" H approx. (standard model, contact IBC for drawing)
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)

\*Must be specified at time of order

Specifications Subject to change without notice

## Wiring

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

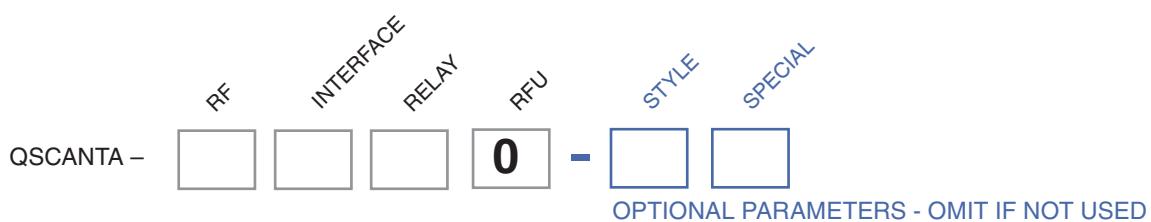
Wiegand / ABA / Wand Interface / 5v F2F		Optional Relay	
Pos 1	S2/NC	Pos 7	Normally Closed
Pos 2	S1/NC	Pos 8	Normally Open
Pos 3	Data 1 / Mag Data / Wand /f2f	Pos 9	Common
Pos 4	Data 0 / Mag Clock		
Pos 5	+VDC		
Pos 6	GND		

### 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

**RF**

Iclass + Ble + Nfc + Hid Prox - B

see note 1

Mifare CSN + Ble + Nfc - M

see note 2

**INTERFACE**

Rs232 - S

TCP/IP - C

F2f(12v) - F

Wiegand / ABA / Magstripe /

f2f (5v) / wand / wieaba /

alphanumeric wiegand - G

**STYLE**

Standard Model – leave blank

Orion Model A – OR

Orion Model B – ORB

Alvarado Model A - AL

Boon Edam Lifeling Swing - DMA

**RELAY (rs232 or tcp only)**

No Relay - 0

Relay - R

Example: QSCANTA-BG00

Qscanta, Iclass+Ble+Nfc+Hid Prox, wiegand output, no relay

**RFU**

Always 0

**Note 1**

Cards supported (125k): Hid.  
 Cards Supported (13.5m): Iclass, Iclass SE, Iclass SR, Seos.  
 Mifare CSN can be added as a special configuration (see notes on following page).  
 Nfc Support - Hid credential in Wallet, 3rd party desfire  
 Ble Support - Hid Mobile Access

**Note 2**

Cards Supported: Mifare. CSN output only, 32 bit and 56 bit.  
 Nfc Support - Hid credential in Wallet. 3rd party desfire  
 Ble Support - Hid Mobile Access

**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 Qscanta be ordered.

# Notes for Ordering Qscanta

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## POWER

Qscanta 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 Qscanta.

## WIRING

All Qscanta 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

Option B supports Hid Iclass reading including seos, and 125K Hid prox cards. Mifare csn may be added to option B as a special configuration. Contact IBC if you want to add mifare csn as an option. IBC will assign you a "special" configuration number for the reader. Option M is for reading mifare csn only, and does not read Iclass cards or 125k prox cards. NOTE that some RF options may be reprogrammable in the field.

## NFC WALLET SUPPORT

Qscanta supports Hid seos credentials stored in Apple wallet and Google wallet. User keys must be programmed into the reader using the Hid Reader Manager Program. Support for 3rd party mobile credentials may also be programmed into the reader using this program. You must be licensed with Hid to use the Reader Manager program.

## HID MOBILE SUPPORT

Qscanta supports Hid Mobile (bluetooth) credentials. User keys must be programmed into the reader using the Hid Reader Manager Program. You must be licensed with Hid to use the Reader Manager program.

## SENSE INPUTS

2 digital inputs are standard on the Qscanta. The digital inputs can be used to control the internal led, or for door sense, gate sense, arming loop, and request to exit functions for rs232 and tcp versions with relay.

## OEM/3RD PARTY KEY SUPPORT

IBC offers preprogramming of user keys into readers for Hid and 3rd party credentials. Contact IBC for more information.

## RELAY

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

## STYLE

Qscanta is currently available in 5 different sizes: the standard size, two smaller sizes for Orion turnstiles, a smaller size for Alvarado turnstiles, and a smaller size for Boon Edam. Note that Qscanta sizes may or may not be the same as Qscant readers. Contact IBC for more information.

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

For custom wiring or firmware contact IBC.