Made In Britain

bctechnology

big enough to cope, but small enough to care

nortech

Access Control Solutions

Our range of anti-vandal, **slimline** and panel mount readers available with standard Weigand outputs and the **NanoQuest slimline reader** with built-in controller for ultimate convenience and **ease of installation**.

Personalised reader name plates are available for maximum installer promotion.

From single door applications to large 64 door multi-site systems, BC Technology has the solution. Utilising the Nortech range of access control equipment and software, we have solutions for all personnel, visitor and vehicle access applications.



Our product range includes one, **two** and **four** door controllers that can all be stand-alone. The 2/4 door controllers also have the ability to be networked on a standard **RS485** or **TCP/IP** Ethernet network, useful for multi-site applications.

Networked systems can be configured as on-line systems using the **user friendly** Norpass3 software which is supplied **free of charge**.

Norpass3 allows for standard system reporting, live event logging and system configuration.

This is both **simple to use** and comprehensive in its functionality. Existing systems can be **upgraded** by the simple addition of a plug-on IP module.

- **Easy to Install**
- **Simple to Program**
- **Slimline, Anti-Vandal and Panel Mount Readers**
- **Desktop Enrolment Reader**
- **Personalised Reader Name Plates**
- **Up to 20,000 Cards or Tags**
- **Networked with up to 64 doors**
- **1, 2 & 4 Door Controllers**
- **3A PSU with 5 Fused Outputs**
- **RS485 or TCP/IP Networkable**
- **1200m RS485 Cable Distance**
- **Cat5 or Belden 9729 cable**
- **100m from Reader to Controller**
- **Free of Charge Software**
- **Remote Monitoring**

Doors & Gates







Turnstiles & Barriers



www.bctechnologyltd.co.uk

NanoQuest

Standalone Reader/Controller Kit

The NanoQuest is a combined proximity reader and controller, to form a standalone single door proximity system. The kit comprises the NanoQuest with **5 year warranty**, 2 programming cards and a boxed **1A PSU** with a host of features i.e.door monitor, alarm input/output, **simple programming** and rugged one piece construction all wrapped up in one cost effective package.

Technical Specifications

Dimensions	116mmH x 40mmW x 17mmD
Material	UV stabilised ABS plastic
PSU	12vdc 1A boxed PSU (supplied)
Operating Temp	-30 to 50 deg C
IP Rating	IP67
Outputs	Door relay; Auxiliary; Alarm
Inputs	Request to Exit; Auxiliary; Door Monitor
Users	600. 10 x cards or 10 x fobs supplied
Programming	Users and Options programmed via Mastercards
Connection	15 core 2.5m pigtail
Read Range	Up to 80mm (dependant upon token type)
User Feedback	Beeper and LEDs
Warranty	5 Years



Readers

A selection of EM readers are available including: Slimline, panel mount and vandal resistant. They can read standard EM4102 formatted fobs and cards and output either 26 bit Wiegand or ISO2 Clock & Data.



Slimline



Anti-vandal



Panel Mount

Technical Specifications

	General
Voltage	6 to 24vdc
Current	<70mA
Operating Temp	-30 to 50 deg C
IP Rating	IP67
Output	26 bit Wiegand or Clock and Data
Connection	Pigtail
Read Range	Up to 50mm (dependant upon token type)

	SP1-EM1-00	VP-EM1-0000	VP-EM1-0000
Dimensions (H.W.D)	116 x 40 x 17mm	103 x 103 x 15mm	55 x 55 x 16mm
Material	UV Stablised ABS	Stainless Steel	ABS
Pigtail Length	3m	0.5m	0.5m
User Feedback	Beeper & LED	LED	LED

***DualPROX versions of each of the readers above are available. These give a standard output and an additional PAC compatible output.**

SP1-EM1-0000 – Slimline **DualPROX PAC** compatible reader
VP1-EM1-0000 – Vandal Resistant **DualPROX PAC** compatible reader
PP1-EM1-0000– Panel Mount **DualPROX PAC** compatible reader

Personalised Reader Name Plates

For **maximum installer promotion** we can supply personalised adhesive cover plates for any of our slimline readers (including NanoQuest). These can be any colours you like and can include **your** company logo.



Design Area

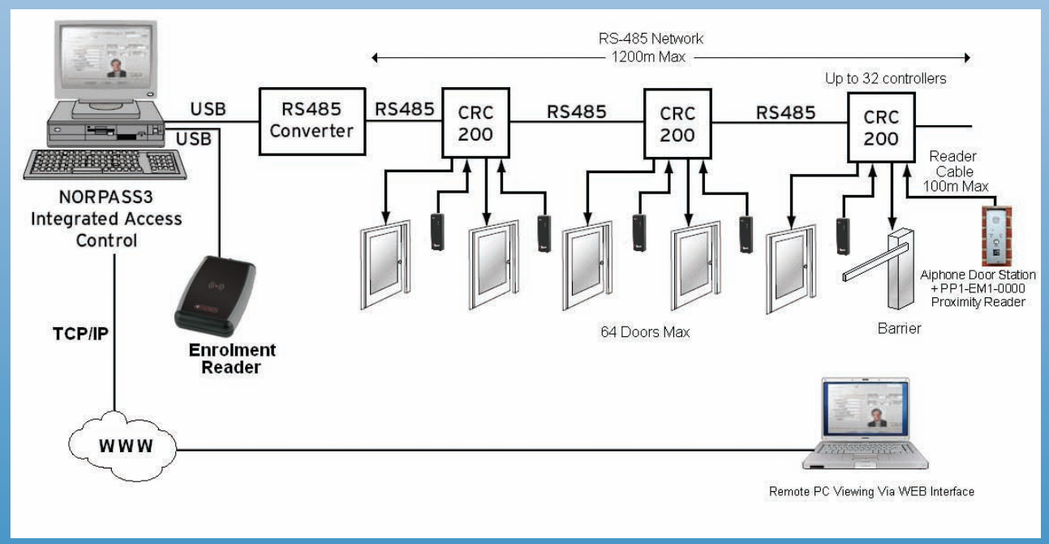
Controllers

There are five types of controller to suit differing applications. These are 1, 2 and 4 door standalone, on-line, TCP-IP or RS485 types. The two and four door controllers have a **3A power supply** with **five fused outputs** built-in.
The 2 door and 4 door controllers can be used in any combination to a maximum of 64 doors. Once programmed, they can be used in a **Cat-5 or Belden network** or be used standalone.

CRC100R Standalone Proximity Controller

Dimensions	110mmH x 80mmW x 35mmD
Operating Temp	0 to 40 deg C
Voltage	9 to 24vdc (non-polarised)
Current	133mA
Display	2 lines, 8 character LCD
Keypad	4 button tactile programming interface
Inputs	Reader; Arming; Request to Exit
Outputs	Door relay; Auxiliary
Users	1600 (10000 user version CRC100S also available)
Programming	Via integral keypad
Connection	Screw terminals
Cabling	Belden 9536 or equivalent (100m Max)
PSU	1 Amp Boxed (Optional)

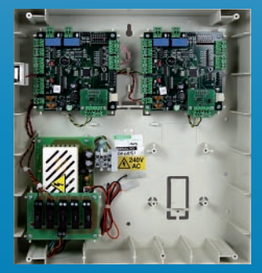




CRC220-48-ENC two door & *CRC220-48-ENC-4 four door* networkable RS485 proximity controllers

Dimensions	325mmH x 300mmW x 135mmD
Operating Temp	0 to 40 deg C
Voltage	12vdc
Current	230mA/*360mA*
Readers	Two/*Four*
Inputs	Readers; Arming; Door Open; Request to Exit; Tamper
Outputs	Door relays; Auxiliary O/C Transistors
Users	6500 (20000 user option)
Event Log	1700
Programming	Via Norpass2 software and integral DIP switches
Connection	Screw terminals
Network	RS485
Network Capacity	64 doors
Cabling	To Reader: Belden 9536 or equiv (100m Max)
	Comms network: Belden 9729 or equiv (1200m Max)

*



CRC220-TCP-ENC two door & *CRC220-TCP-ENC-4 four door* networkable TCP/IP proximity controllers

Details as CRC220-48-ENC & *CRC220-48-ENC-4* above, except:

Network	TCP/IP

* Rechargeable battery not supplied. For illustration purposes only.

Software

Simple to use, free of charge, Windows® based software is available for programming and monitoring CRC200 controllers. The system can be viewed locally or remotely via an internet explorer.

Norpass3 Software

- **Simple** Programming
- **Definable** user password and privilege rights
- Real time event logging
- 16 time zones
- Audit trail and reporting
- Anti-passback
- Door monitoring
- **Muster** reporting option
- Windows XP & Vista compatible
- **Enrolment reader** compatible



Enrolment Reader

To make programming the system **even easier**, a **user friendly** desktop enrolment reader is available. Simply plug it into the host PC via a USB lead and adding new users to the system becomes **simplicity** itself.

DT-EM1-0000

- Desk mounting
- Sleek design
- USB communication and power
- Simple & rapid addition of users
- Confirmation tone



Cards & Fobs









Both proximity fobs and access cards are available for the systems. These can be **personalised** – please ask for details.

NP-FOB-RND

- Black epoxy keyfob design
- Randomly numbered
- No minimum order quantity
- Sequential version available

NP-CARD-RND

- Printable white plastic card
- Randomly numbered
- No minimum order quantity
- Sequential version available

Aiphone Doorstation Integration

Nortech readers can be seamlessly incorporated into bespoke Aiphone door stations giving a **one stop shop** for your access control needs and a **neat and compact** solution for your customer. Please ask for details and a quote.



Wireless Transmitters/Receivers

One and two channel wirefree transmitters and receivers are available to compliment the access control systems. They can be used to effortlessly release a door or gate via a small remote control unit.

RT21-01S

- Single channel transmitter
- Keyfob design
- Approx 30m free field range
- Battery included
- 868MHz



RLC03-01

- Single channel receiver
- Plastic housing with integral antenna
- Relay output
- Screw terminal connections
- 868MHz



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