



NanoQuest Compact Standalone Access Control System

PRODUCT DESCRIPTION

The NanoQuest is a compact standalone proximity card reader and access controller. The rugged, one-piece unit, housing both the access control electronics and the 125kHz proximity reader technology, is easy to install and operate.

A single NanoQuest unit can control access through a single door for up to 600 authorised users. In addition to providing access control, the NanoQuest can be used as a secure method of controlling devices such as intruder alarm panels, lighting and heating.

Features include free exit, arming, alarm output, door monitoring and auxiliary input/output. The configuration of features and the addition/removal of User cards are simple operations using a 'Master' card. Special 'Auxiliary' cards can also be added to control auxiliary devices.

The NanoQuest can also output card data in 26-bit Wiegand format so that it can be used as a standard reader connected to an external controller in any future migration to a larger system.



SPECIFICATIONS

Electrical

Supply Voltage:	9Vdc to 24Vdc
Current Requirement:	< 70 mA

Physical

Dimensions (mm):	116 x 40 x 17 (H x W x D)
Colour:	Black
Material:	ABS plastic - stabilised against ultra violet light
Rating:	IP66 - suitable for external and internal use

Environmental

Operating Temperature:	-30°C to 50°C Ambient
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Outputs

Strike Relay:	Change-over contacts rated at 1A at 30V DC. Programmable strike time 0.5 to 10 seconds or latching.
Auxiliary Output:	Open-collector output for auxiliary control (latch or pulse options)
Alarm:	Open-collector output for external alarm (latch or pulse options)
Wiegand Data:	26-bit Wiegand data for use with external controller

Inputs

Free Exit:	Clean contact, ground to activate
Auxiliary/Arming:	Clean contact, ground to disable, open contact to enable
Door Monitor:	Clean contact, ground to indicate door closed (if activated)

Card Types

Master Card:	Used for Configuration and adding/removing User cards
User Card:	Used to gain access to restricted area
Auxiliary Card:	Used to gain access to restricted area and to activate auxiliary devices

Connection

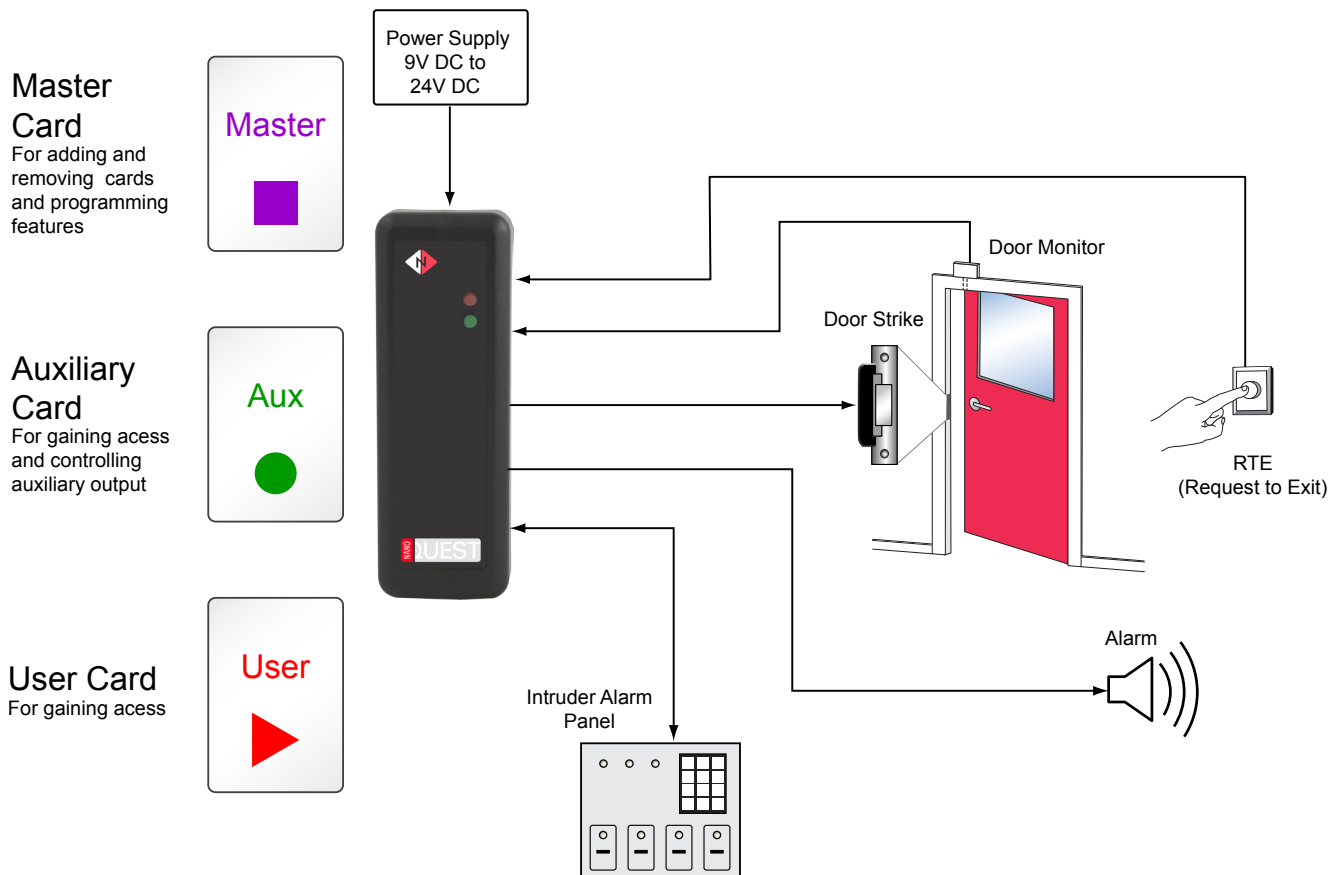
Pigtail Cable Length:	2.5m
Conductors:	15

Operational

Reading Range:	Up to 80mm depending upon the type of card or token
Buzzer:	On/Off selectable
Indicators:	One red 4mm LED and one green 4mm LED.

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Connection Details



Ordering Information

N-QUEST-00
NP-CARD-PK

NanoQuest standalone proximity card reader/controller plus 2 Master cards and 10 standard proximity cards
Pack of 10 proximity cards for use with NanoQuest

Please contact BC Technology Sales or Sales Support departments for placing orders or further information

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