

DeltaQuest Universal OEM Access Controller

Product Description

The DeltaQuest universal OEM access controller provides I/O support for PC-based access control or membership software that needs to manage access points. Up to 32 access points that use ID devices such as card readers and keypads can be supported via a single USB port or a TCP/IP network connection.

Each access control module is provided in an attractive wall mount cabinet and can manage up to two ID devices and operate their associated barriers or turnstiles via robust output relays.

Each DeltaQuest module collects ID data from the attached card readers or keypads and sends it together with the identity of the reader/keypad to the third-party software via the master module. If the software identifies that the ID data is valid, it can permit access to the user through the barrier or turnstile by sending a simple command to the corresponding DeltaQuest module via the master.

The DeltaQuest is ideal for use in the leisure industry when combined with third-party membership software.

The DeltaQuest is compatible with all Nortech's reader technologies and can support many third-party readers and keypads.



Features

- ▶ Supports most reader technologies and output formats
- ▶ Up to 32 access points can be managed via a single USB port or TCP/IP network connection on the PC
- ▶ Supports PINs of up to 15 digits from a connected keypad
- ▶ Simplifies software development by using a simple command structure
- ▶ Simple, cost-effective installation with no local settings such as DIP switches or jumpers required
- ▶ Fully configurable via user-friendly software
- ▶ Compatible with several third-party database/membership management systems
- ▶ Each reader interface supports Free Exit and an auxiliary output to control card capture, DVR, etc.
- ▶ Supplied in attractive housing with integral 12V DC, 3A power supply.

Applications

- ▶ Membership Access Control
- ▶ Leisure Centres
- ▶ Fitness Clubs
- ▶ Golf Clubs
- ▶ Social Clubs
- ▶ Process Control

Specifications

Electrical (Enclosure)

Supply Voltage: 90 to 264VAC (Frequency Range: 47 to 63Hz)
 Current draw: 1.6A/115VAC 1A/230VAC

Electrical (PCB)

Power Supply: 12V DC @ 1 amp (max)
 Current Draw: Typically 200mA @12V DC
 Reader supply: 12V DC or 5V DC (200 mA max. @ 12V)

Physical

Dimensions (mm): Enclosure: 312 x 312 x 100 (H x W x D)
 PCB: 125.5 x 125.5 x 23.0 (H x W x D)

Cable Termination: USB: USB Mini B type socket
 TCP/IP : RJ45 socket
 Other: Plug-in terminal blocks

Output relays: Voltage free changeover relay per reader, rated at 2A @ 30V DC
 Variable output times driven by software

Request to Exit: Ground activated input per reader, configurable operation time from 0.5 to 10 seconds

Auxiliary Outputs: Open-collector output per reader

Cabling Requirements

PC connection: USB: USB 2.0 A plug to Mini B plug lead, or TCP/IP
 - follow standard data networking recommendations

RS485: Cabling Belden 9729 or equivalent (1200m max)

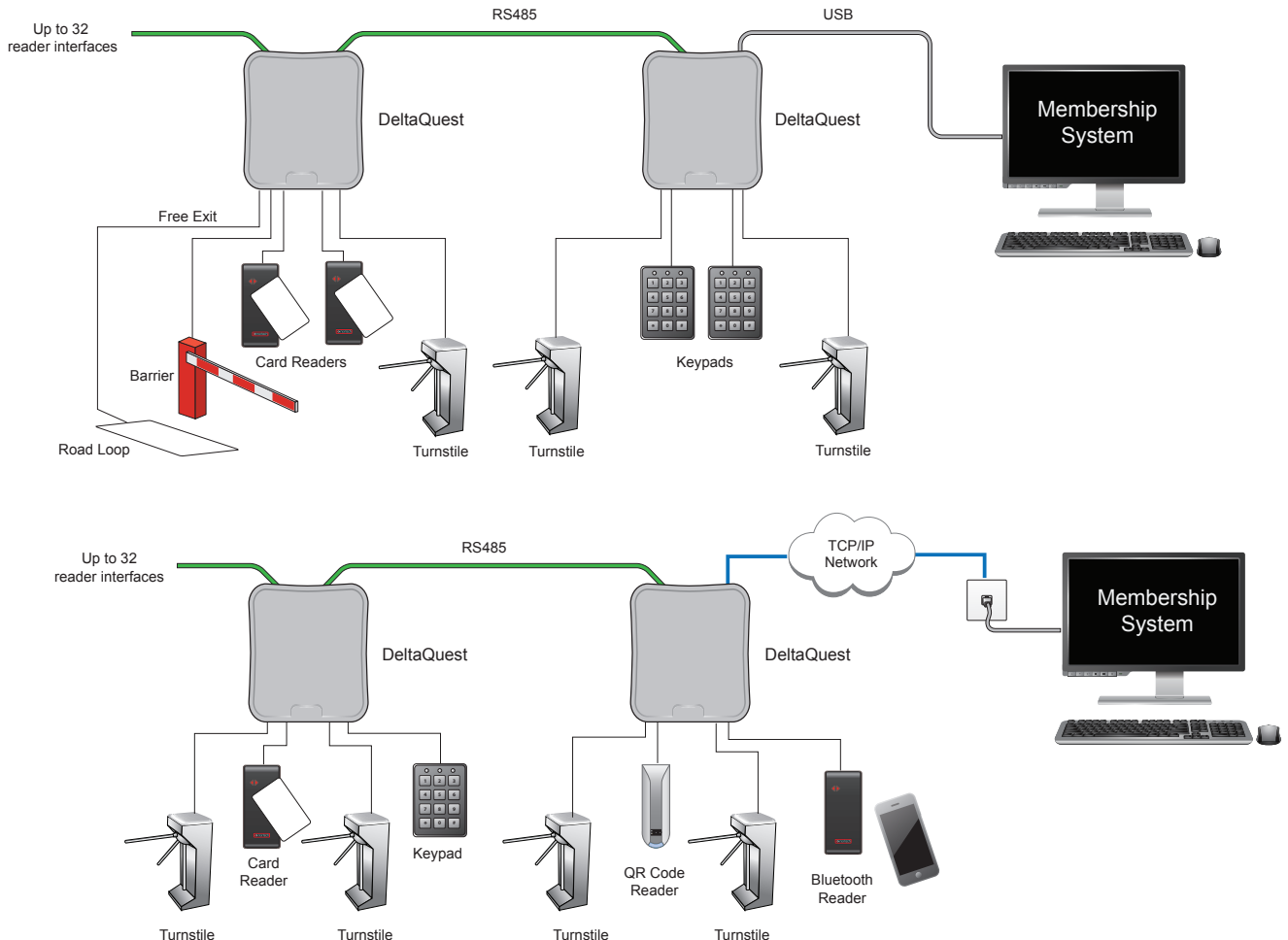
Reader Cabling: Belden 9536 or equivalent (25m max for RS232 reader,
 100m max for C&D or Wiegand reader)

Environmental

Operating temp.: 0°C to 50°C
 Storage temp.: -20°C to 70°C
 Relative humidity: 95% non-condensing

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Connection Details



Product Compatibility

DeltaQuest is compatible with membership management software products developed by leading companies such as:

- ▶ Gladstone Health & Leisure
- ▶ EZ Runner
- ▶ Legend
- ▶ SDA Software

Note: This is for guidance only and compatibility is not limited to products from these companies.

Ordering Information

DQ-S2-PH	Two reader DeltaQuest interface module in plastic enclosure with integral 3A 12V PSU
DQ-S2-PX	Two reader DeltaQuest interface module PCB
DQ-SW-01	Configuration and diagnostic software for DeltaQuest interface modules