

HSM

High Security Module



SOLUTION FACT SHEET

Access control systems rely on wiring to communicate unsecured information to an access control panel from a front end reader such as a smart card access reader, biometric unit or a PIN (Personal Identification Number) terminal. Sensitive data is continually transferred along these wires and needs to be kept safe and secure from hacking and manipulation

The **HSM** is the answer for Secure Access Control

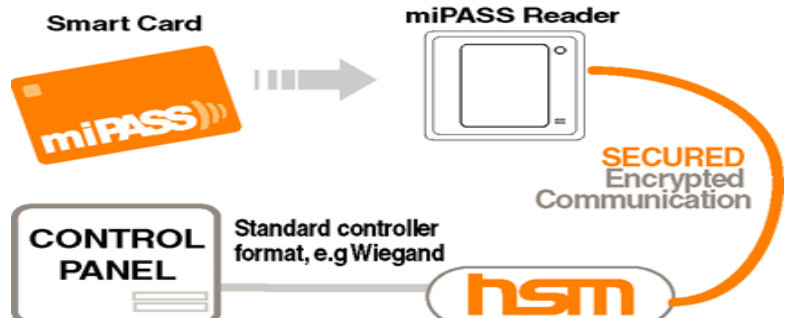
BQT Solutions have developed the **High Secure Module (HSM)** as an addition to our range of Biometric and Smart Reader products, which through encryption secures the transmission of data between BQT's Smart Readers and any standard security access control panel.

The connection between a BQT Smart Reader and an **HSM** is via RS485 communication, thus allowing the card readers to be located up to 1.2km (4000 ft) from the control panel, providing greater flexibility and a reduction in installation cost. Encrypted communication travels between the BQT Smart Reader reader and the decryption module, thus ensuring an absolute secure information path that cannot be compromised whether it be wall enclosed or a remote site such as an access gate. The **HSM** unit can be installed along side the control panel or in a defined secure area.

Features

- BQT Smart Readers can be up 1.2 km from the control panel.
- AES 128 encrypted protocol (AES 256 available if required).
- Can be used in conjunction with BQT Solutions range of **HSM** enabled Smart Readers.
- Secure transmission removing the potential of hacking or security breach.
- Ease of installation and system planning.

High Security Module - HSM



Contact BQT Solutions for more information or a discussion on custom options available, visit our website www.bqtsolutions.com for your nearest office.

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