



BQT SOLUTIONS CASE STUDY - BIOXK BIOMETRIC AUTHENTICATION FOR HIGH SECURITY

Objectives

A military base in America needed a high security access control system for their facilities. The readers needed to offer three-factor authentication with biometric data such as fingerprints, to identify a person and approve access.

Challenges

The base required a custom implementation of three-factor authentication, where the user could choose to authenticate with their fingerprint OR with their secret PIN, alongside their secure card. The biometric readers must also work with the existing deployed user cards.

Solutions

The BioXK is a three-factor fingerprint, keypad, and MIFARE® smart card reader able to integrate seamlessly with their existing systems. The enrolment hardware provided allows the user to encode their fingerprint and PIN on their existing user card. The readers provides the required functionality where a user can choose to present their finger OR enter their PIN to gain access.

PRODUCT BENEFITS

Benefit One

The BioXK's sleek casing offers a robust exterior designed to withstand tampering and maintain integrity during a security threat or incident.

Benefit Two

Working with your current system, the BioXK offers flexible access control, with the option to use Wiegand, OSDP or Encrypted RS485 access data output.

Benefit Three

Three-factor authentication for a higher level of access control security, using a keypad for a PIN, a fingerprint scanner for biometric security alongside the MIFARE® Classic & DESFire® 13.56MHz readers and smart cards.

BQT Solutions is a specialist in the development, manufacture and supply of high quality, high security card and biometric readers, electromechanical locks and related electronic security products. Providing high security solutions to verticals including Airports, Healthcare, Corrections, Education, and Government for over 35 years.

***Innovating today for a more
secure tomorrow***

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