



**smartersecuritytoday**

**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.**



## **Comprehensive Product Range**

BQT Solutions provides a wide range of both off-the-shelf solutions and purpose tailored solutions. We work with major system integrators, security consultants and end users to develop tailored access control solutions to fulfil a range of access control requirements.

We have designed our portfolio to provide a secure, robust and flexible base, enabling customers to develop a solution to their specific needs, in the most cost-effective way.



## **Solutions for Every Application**

Our technology is deployed across thousands of sites and is trusted by some of the most high-risk organisations in the world.



Specializing in high-security verticals such as Airports, Hospitals, Prisons and Government, our team has the proven expertise to address the ever-changing complexities associated with the design, development, and implementation of a diverse market.

## **Advanced Security Capabilities**

Our principal objective is to provide the right smart reader and biometric technology for the assessed risk. This means transaction safety and keeping people, assets, data and IP safe.

For those with the most demanding security requirements, adequate verification and mutual authentication is assured using trusted encryption standards.

Enhanced security features include:

- Random ID
- Diversified Keys
- AES 128 Encrypted RS485 Output
- Formats up to 128 bit
- OSDP for secure communication and RS485 output for long runs and TCP/IP
- Anti tamper





## Why Choose BQT Solutions?

- Secure “off the shelf” card and reader systems for effortless, secure access control
- Custom and tailored high security solutions
- Available with MIFARE Classic® and Secure MIFARE DESFire® enhanced platforms and NFC ready
- Multi frequency and multi technology readers available in 1, 2 or 3 factor Security Authentication
- miPASS available across the whole range of reader products
- Migration pathways to higher security and upgrade security without changing access control panel
- Open platform, high security end to end encrypted data for most access control panels
- Unique and robust electronic locking products
- 180° and 90° Side load/realignment door locks, as well as roller shutter and gate locks
- Models with up to 3,000 kg Holding Force

## An Ava Group Company

BQT is an Ava Group company, a market leader of risk management services and technologies, trusted by some of the most security conscious commercial, industrial, military and government clients in the world.



The Group features a range of complementary solutions including intrusion detection for perimeters, pipelines and data networks, biometric and card access control as well as the secure international logistics and storage of high value assets. Through decades of innovation, the Ava Group continues to build upon a comprehensive portfolio of premium services and technologies for the most complex and demanding markets.

Our business truly serves a global market, with our knowledgeable team spread across six continents, providing market and industry expertise directly to customers. With thousands of sites protected, the Ava Group is proven to deliver first class services and technologies that surpass the expectations of our partners and end users.

# Biometrics

BQT's line of biometric readers combines our traditional line of readers with leading-edge bio-verification technologies, including finger and iris readers for secure options right up to military grade encryption.

The BQT Solution's BIO Series opens the gateway to multiple security applications including access control, IT security, time and attendance and much more. With a range of secure options right up to Military grade technology and encryption and provides a flexible solution through customization to suit all access control requirements.

The Bio Series delivers the ultimate security by combining leading edge fingerprint scanning with secure encryption and optional keypad to provide 1, 2, or 3-factor authentication. All these features are offered within a robust weatherproof unit.



# Access Readers

BQT access control readers are designed to provide maximum security, maximum value – and a migration path to meet present and future needs. Our solutions cover all applications and risk levels from low to high-risk applications and multi-factor authentication readers.

miPASS® is BQT's own range of secure smart card and reader systems which we believe is simply the best in the market today. Our miPASS®3 system is based on secure MIFARE® DESFire EV1® technology using 3DES encryption and offers high security. miPASS®2 is based on secure MIFARE Classic® technology using Crypto1® encryption and offers medium security.

For increased security, we offer tailored solutions which can be specified for any application. The portfolio offers a range of communication output protocols including, Wiegand, RS485, AES128, OSDP and encrypted OSDP.



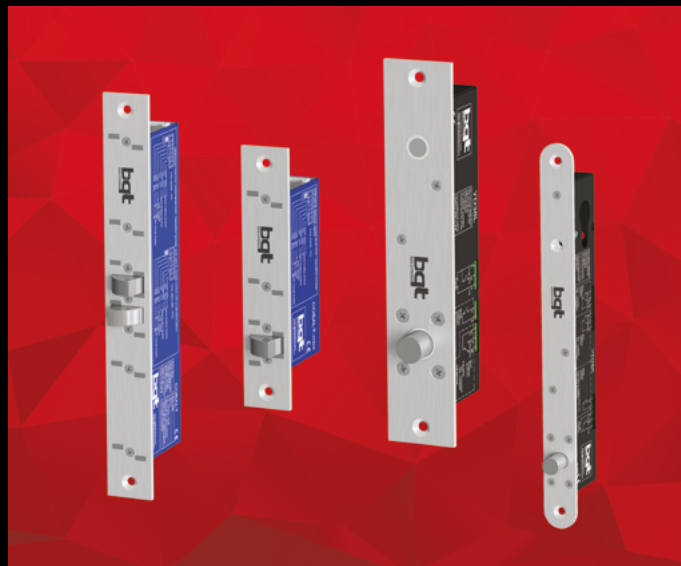


# Door & Cabinet Locks

BQT Solutions helps you secure critical spaces with a wide range of innovative locking solutions. Every facility has a unique set of risks that should be met with locking solutions perfectly fit to meet the specific challenge.

BQT Solutions offers a diverse line of door lock products which solve high-risk needs. The BQT door lock range of products currently comprises of seven locks, each offering their own unique benefits and features.

The Cabinet Lock range offers two distinctly different locks. These locks cover a range of applications from home safety or simple commercial security where convenience is a must and ease of operation is critical, to vehicle cabinets perfect for battery-powered installations.



# Roller Shutter & Gate Locks

Strength, security and convenience are vital qualities of any lock. The line of BQT Solutions roller door locks combine the features found in traditional electronic locks, with the physical strength and function required to secure roller doors of any shape, whatever size.

The YR10 is perfect for internal roller door locking requirements as well as wire cage applications where high value items are stored in a warehouse environment.

Additionally, our IP65 rated YG10, and our latest product YG80, work in outdoor environments to provide solutions for external roller door locking applications as well as large doors and gates.



# Software

BQT Solutions miPASS Access TMS software is based on IP connectivity and biometric security to provide more security options within one system.

For full flexibility, BIO X/XK devices work as a reader for multiple types of credentials.

Key capabilities of miPass Access TMS include:

- Define time, shifts, daily schedules, and holidays
- Administer employees to comply with “On Site” and “Off-Site” procedures
- Restrict access to off-duty employee
- Generate a wide range of reports including attendance reports
- Run multiple terminals
- Have multiple levels of authentication at various doors, for various individuals.



# Reader Modules

Ready for your custom integration needs, BQT Solutions supplies its outstanding technologies in durable modules that can be used in many applications, such as into building services like elevators, vending machines, or office machines.

Our modules can also be integrated with custom plates for architecturally inspired designs.

BQT's range of reader modules includes:

- Potted Reader Modules- Slim design able to be integrated into your technologies.
- Life Elevator Modules- Available in several models to cater to all integration requirements.
- Naked Module- Ready for integration and provides added security right where you need it.



# Accessories

BQT Solutions have a range of accessories available to support our smart readers including:

- Smart Card Encoders
- Bio Encoders
- Desktop Readers
- Single Door Controller / Single Door Relay
- Stand Alone Relay Module
- High Security Module
- Wiegand Repeater/Converter
- Backplates and mounting boxes
- RS485 to TCP/IP Converters

Our global footprint means that we can also source a wide range of other products from access control panels through to designer or specialized face plates, to assist you in your access control needs.



# Credentials

BQT Solutions stock a wide range of Credentials in the most common Smart Card/Reader requirements. What we don't have in stock, we can order in for you. We can also have cards manufactured to specification, chip embedded and punched to your requirements.

Our range of credentials includes: smart cards, fobs, multi technology credentials, silicon wrist bands, mobile/cell phone dots/stickers, prox cards and other RFID credential products.

BQT Solutions credentials are available in MIFARE® Classic, MIFARE Plus® and MIFARE® DESFire® EV1 formats.

We offer a full smart card encoding service, providing encoded miPASS and other credentials for your site or to our distributors.



## Closer to our Customers

With our highly skilled team spread across six continents we are never far away from our clients. We also run regular training courses in our Ava Group offices and other convenient locations around the world.

