

BIO XK SOFTWARE DEVELOPERS KIT (SDK)



SOLUTION FACT SHEET

For those requiring software integration with a robust indoor/outdoor 3 factor (card, PIN & Biometric) Reader for applications such as Template Management, Time and Attendance, System and Functional control requirements.

BQT has the SOLUTION by using our BIO XK – 3 factor Biometric Fingerprint Readers and integrating them into your 3rd Party application using our Software Developer's Kit.

- Available with the BT-BIO XK (Mifare®) and DF-BIO XK (DESFire®) Biometric reader models,
- Development Kit contains your choice of an SDK enabled BT-BIO XK or DF-BIO XK, RS485 to Ethernet Serial Device Server and a CD containing the Software Developers Kit,
- Host Connectivity – Default : TCP/IP8 Custom : RS485,
- SDK available under licence,
- Customisation of Reader Firmware Available



Your choice of BQT Solutions Reader:



BT BIO XK Mifare



DF BIO XK DESFire



*Refer to Reader Data Sheet
for more details and
Specifications.*

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

[SEP2013] All specifications are subject to change without notice. Contact BQT Solutions to confirm. BQT Solution and miPASS are registered trademarks. ©2013.

BIO XK SOFTWARE DEVELOPERS KIT (SDK) Continued...



SOLUTION FACT SHEET

Main Features of BT-BIO XK and DF-BIO XK with SDK

- User types Supported –
 - a. Template on Card Users (Card + Finger :Unlimited)
 - b. Template on BIOXK Users (Pin + Finger:5000 Users with 2 templates each)
 - c. Template on BIOXK Users (Finger only: Max 500¹ with 2 templates each)
 - Template on 3rd Party Database Users (PIN + Finger: Unlimited²)
- Authentication –
 - a. Single factor – Finger Only ³
 - b. Two factor – Card + Finger, PIN + Finger ⁴.
 - c. Three factor – Card + PIN + Finger ⁵
- Card Types Supported –
 - a. BT-BioXK - Mifare Classic[®] (Crypto1[®])
 - b. DF Bio XK – Mifare DESFire[®] (DES/3DES/AES) or Mifare Plus[®] (AES)⁶
- Audio-visual feedback through 4 LEDS and Buzzer.
- External Input for LED and Buzzer control
- Real Time Clock support for event logging
- Access Event Log ⁷
- Wiegand Output for interface with Access Control Panel
- Wiegand Output can be secured using AES128 encrypted RS485⁹
- Relay output (x1)
- Host Connectivity – Default : TCP/IP⁸ Custom : RS485
- User Enrollment – On Unit or through dedicated enrollment unit (TCP/IP)
- SDK Kit available¹⁰ for fast and seamless integration with 3rd party applications
- Robust Indoor/Outdoor unit – IP65
- Tamper options available on request

Notes

1. Support to 5000 is available with a special build subjected to MOQ.	1. Requires RS485 to TCP/IP Converter.
2. 5000 user records with 2 templates each are stored in BIO XK database. Additional users are accessed in real time from 3rd party database as and when required.	2. Optional, requires 2 custom HSM Modules.
1. 'Card only' or 'PIN Only' options available on request.	3. Software Development Kit (SDK) supplied FOC on completion and acceptance of Licence Agreement.
2. Card + Pin can be supported on request.	4. 2 Function Keys are available for custom programming to specialised requirements.
3. Can be supported on request.	5. BTBIOXK can support CSN and also miPASS2 (on request).
4. Mifare Plus can be supported on request.	6. DFBIQXK can support UID and also miPASS3 (on request).
5. Maximum of 1024 records stored.	7. Refer also to BIOX/XK Data Sheet.

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

[SEP2013] All specifications are subject to change without notice. Contact BQT Solutions to confirm. BQT Solution and miPASS are registered trademarks. ©2013.