

# XPass Q2

Intelligent QR/RFID Reader



XPass Q2 is built for fast, high-traffic visitor and ticketing access. Its smart, QR/barcode-first design and multi-tech credential support keep people moving seamlessly, while its compact, durable form makes deployments simple across busy entrances. XPass Q2 delivers a low-effort, high-reliability access experience for facilities that need speed, flexibility, and minimal upkeep.

**suprema**  
SECURITY & BIOMETRICS

XPass Q2 gives high-traffic facilities a single device for fast, flexible access. It supports a wide range of QR and barcodes via a dedicated imaging module, alongside industry-standard RFID and mobile credentials—all in one streamlined reader.



XPass Q2 combines an elegant, low-profile form with rugged construction. Its dark acrylic front and subtle lighting blend into modern architecture, while the IP65 enclosure is engineered for outdoor entrances, gyms, coworking hubs, and other high-traffic sites that demand both style and durability.



XPass Q2 combines fast processing with reliable performance. It delivers quick, accurate scans even in challenging lighting, while secure boot and tamper detection keep credentials protected. Built for uptime, it keeps entry lines moving and your facility secure.



XPass Q2 adapts to standalone, controller-based, and networked access architectures. Flexible interfaces, modular expansion, and the PoE option simplify wiring, reduce extra hardware, and make installation and multi-site rollouts easier.

| TYPE       | MODEL                         | XPQ2-DB                                                                                                                                                                                                                          | XPQ2-DPB                                                                                                                        |
|------------|-------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| Credential | RF Option                     | 125kHz EM & 13.56MHz MIFARE, MIFARE Plus, DESFire, DESFireEV1/EV2/EV3, FeliCa                                                                                                                                                    |                                                                                                                                 |
|            | RF Read Range <sup>1)</sup>   | EM/MIFARE/DESFire: 50 mm<br>FeliCa: 30 mm                                                                                                                                                                                        |                                                                                                                                 |
|            | Mobile                        | NFC, BLE                                                                                                                                                                                                                         |                                                                                                                                 |
|            | QR/Barcode <sup>2)</sup>      | Supported <sup>3)</sup>                                                                                                                                                                                                          |                                                                                                                                 |
| Capacity   | Max. Users                    | 200,000 <sup>4)</sup>                                                                                                                                                                                                            |                                                                                                                                 |
|            | Max. Credentials (1:N)        | Card: 200,000                                                                                                                                                                                                                    |                                                                                                                                 |
|            | Max. Credentials (1:1)        | Card: 200,000                                                                                                                                                                                                                    |                                                                                                                                 |
|            | Max. Text Logs                | 1,000,000                                                                                                                                                                                                                        |                                                                                                                                 |
| Hardware   | CPU                           | 1.2 GHz Single Core                                                                                                                                                                                                              |                                                                                                                                 |
|            | Memory                        | 8 GB Flash + 256 MB RAM                                                                                                                                                                                                          |                                                                                                                                 |
|            | Camera                        | 1 Camera (QR only)                                                                                                                                                                                                               |                                                                                                                                 |
|            | IP Rating                     | IP65                                                                                                                                                                                                                             |                                                                                                                                 |
|            | Weight                        | Device: 208g / Bracket: 40g                                                                                                                                                                                                      | Device: 213g / Bracket: 40g                                                                                                     |
|            | Dimension (WxHxD)             | 50x150x40.2 (mm)                                                                                                                                                                                                                 |                                                                                                                                 |
|            | Power                         | <b>[12 Vdc]</b> DC OUT not used Consumption Current: Max. 0.5 A<br>DC OUT used Consumption Current: Max. 2.6 A<br><b>[24 Vdc]</b> DC OUT not used Consumption Current: Max. 0.3 A<br>DC OUT used Consumption Current: Max. 1.4 A |                                                                                                                                 |
|            | Certificates                  | CE, UKCA, KC, FCC, IC, RCM, SIG, RoHS, REACH, WEEE, EAC, TELEC                                                                                                                                                                   |                                                                                                                                 |
| Interface  | Ethernet                      | Supported<br>(10/100 Mbps, auto MDI/MDI-X, TCP/UDP support)                                                                                                                                                                      |                                                                                                                                 |
|            | RS-485                        | 1ch Master / Slave (Selectable)                                                                                                                                                                                                  |                                                                                                                                 |
|            | RS-485 Communication Protocol | OSDP V2 compliant                                                                                                                                                                                                                |                                                                                                                                 |
|            | Wiegand                       | 1ch Input / 1ch Output (Selectable)                                                                                                                                                                                              |                                                                                                                                 |
|            | Input                         | 3ch Inputs                                                                                                                                                                                                                       |                                                                                                                                 |
|            | Relay                         | 1 Relay                                                                                                                                                                                                                          |                                                                                                                                 |
|            | PoE                           | -                                                                                                                                                                                                                                | Supported<br>(IEEE 802.3af compliant)                                                                                           |
|            | DC Output                     | <b>[Reader]</b> 500 mA @12 V,<br>250 mA @24 V<br><b>[Lock]</b> 1.2 A @12 V,<br>600 mA @24 V                                                                                                                                      | <b>[Reader]</b> 500 mA @12 V,<br>250 mA @24 V<br><b>[Lock]</b> 1.2 A @12 V,<br>600 mA @24 V<br><b>[PoE Reader]</b> 500 mA @12 V |

(Barcode types supported by the Camera QR license: QR Code, DataMatrix, Aztec, Micro QR Code, PDF417, Code39, Code128, UPC-A, UPC-E, EAN-8, EAN-13)