

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.

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Designed for speed, built for reliability.



Reads everything you bring.

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.



Sharp design that endures.

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.



Brains, brawn, and speed to match.

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.



Integrates seamlessly with existing systems.

A compact, high-performance IP reader, XPass Q2 adapts to any access control architecture. Use it as a smart edge device, pair it with a door controller, or connect it directly to a PC. Flexible configurations that simplify installation and expand integration options.

Specifications

TYPE	MODEL	XPQ2-DB
Credential	RF Option	125kHz EM & 13.56MHz MIFARE, MIFARE Plus, DESFire, DESFireEV1/EV2/EV3 ¹⁾ , FeliCa
	RF Read Range ²⁾	EM/MIFARE/DESFire: 50 mm FeliCa: 30 mm
	Mobile	NFC, BLE
	QR/Barcode ³⁾	DataMatrix, QR Code, Aztec, Micro QR Code, PDF417, Code39, Code128, UPC-A, UPC-E, EAN-8, EAN-13 ⁴⁾
Capacity	Max. Users	200,000 ⁵⁾
	Max. Credentials (1:N)	Card: 200,000
	Max. Credentials (1:1)	Card: 200,000
	Max. Text Logs	1,000,000
Hardware	CPU	1.0 GHz
	Memory	8 GB Flash + 256 MB RAM
	Camera	1 Camera (QR only)
	IP Rating	IP65
	Weight	213g
	Dimension (WxHxD)	50x150x40.2 (mm)
	Power	[12 Vdc] DC OUT not used Current: Max. 0.5 A DC OUT used Current: Max. 2.6 A [24 Vdc] DC OUT not used Current: Max. 0.3 A DC OUT used Current: Max. 1.4 A
	Power Output	[12 Vdc] Reader: Max. 0.5 A / Lock: Max. 1.2 A [24 Vdc] Reader: Max. 0.25 A / Lock: Max. 0.6 A
Interface	Certificates	CE, UKCA, KC, FCC, IC, RCM, SIG, RoHS, REACH, WEEE, EAC, TELECOM
	Ethernet	Supported (10/100 Mbps, auto MDI/MDI-X)
	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

1) DESFire EV2/EV3 cards are backward compatible with DESFire EV1 cards, supporting CSN and smart card features, including those of the DESFire EV1 card.

2) RF read range will vary depending on installation environment.

3) Supports QR codes with up to 32 ASCII characters.

4) Camera QR license is required to use more diverse QR/barcode authentication. For detailed information on device licenses, please refer to the BioStar X Administrator Guide.

5) Based on users registered without credentials.

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