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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SECURITY & BIOMETRICS

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.

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.

Specifications

TYPE	MODEL	XPQ2-DB	XPQ2-DPB
Credential	RF Option	125kHz EM & 13.56MHz MIFARE, MIFARE Plus, DESFire, DESFireEV1/EV2/EV3, FeliCa	
	RF Read Range[1]	EM/MIFARE/DESFire: 50 mm FeliCa: 30 mm	
	Mobile	NFC, BLE	
	QR/Barcode[2]	Supported[3]	
Capacity	Max. Users	200,000[4]	
	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	**[12 Vdc]** DC OUT not used Consumption Current: Max. 0.5 A DC OUT used Consumption Current: Max. 2.6 A **[24 Vdc]** DC OUT not used Consumption Current: Max. 0.3 A 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 (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 (IEEE 802.3af compliant)
	DC Output	**[Reader]** 500 mA @12 V, 250 mA @24 V **[Lock]** 1.2 A @12 V, 600 mA @24 V	**[Reader]** 500 mA @12 V, 250 mA @24 V **[Lock]** 1.2 A @12 V, 600 mA @24 V **[PoE, Reader]** 500 mA @12 V

1) The RF detection range may vary depending on the installation environment.
2) Supports QR codes with up to 32 ASCII characters.
3) 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.
(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)
4) The number of users registered without having any credential data.

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