

BAISEN ACCESS

Complete 2026 Technical Datasheet

Smart entrance control equipment for distributors, installers, system integrators and project buyers

Product family	Project use
Boom barriers	Parking entrances, industrial sites, compounds and high-frequency vehicle lanes
LPR / ANPR parking systems	License plate recognition, whitelist access, relay opening and platform integration
Automatic bollards	Perimeter access, underground parking, urban entrances and controlled vehicle zones
Pedestrian turnstiles	Card, QR, biometric and visitor access lanes
Gate and door automation	Sliding, swing, retractable and automatic pedestrian door applications
Access-control integration	Readers, controllers, dry-contact relay inputs and model-specific SDK/API support

This document is a project-selection reference, not a substitute for an exact model datasheet, site risk assessment, approved wiring diagram, local compliance review or commercial quotation.

Website: baisenaccess.com | WhatsApp: +86 181 1284 7046

1. Vehicle Entrance Control

Select a vehicle entrance system from traffic frequency, opening width, speed, arm or gate geometry, wind exposure, safety devices, access-control method and failure-mode requirements. Do not select from a single headline parameter.

Boom Barrier Project Inputs

Input	What the integrator should provide	Why it matters
Lane and arm	Clear lane width, arm type and mounting side	Determines arm configuration and mechanical load
Traffic duty	Peak cycles per hour, daily cycles and queue profile	Controls motor, mechanism and thermal-duty selection
Vehicle detection	Loop, radar, photocell, ticket, RFID or LPR	Defines safety logic and opening workflow
Power and climate	Voltage/frequency, ambient range, humidity, dust and wind	Defines controller, enclosure and environmental options

LPR / ANPR Integration Checklist

Layer	Typical interface	Confirmation required
Offline opening	Camera or controller dry-contact relay to barrier OPEN/COM input	Pulse duration, normally-open/closed logic and safe fallback
Online integration	Model-specific SDK, HTTP API, database or middleware	Protocol version, event payload, authentication and licensing
Recognition scope	Country/region plate library and deployment-specific training	Plate syntax, script, lighting, angle, speed and sample images
Audit	Entry/exit events, plate image and whitelist record	Retention, privacy, time synchronization and operator permissions

2. Perimeter and Pedestrian Security

Bollards and turnstiles must be matched to the required operating mode, site drainage, material environment, pedestrian flow, emergency behavior and local safety rules.

Automatic Bollard Selection

Area	Project question	Evidence to confirm before order
Civil works	Foundation depth, groundwater, drainage and service access	Approved pit, conduit and maintenance layout
Environment	Rain, standing water, salt exposure, frost and de-icing chemicals	Exact enclosure/material option and corrosion plan
Operation	Normal access, emergency opening and power-failure behavior	Control logic, manual release and backup-power design
Protection objective	Traffic control or rated hostile-vehicle mitigation	Do not infer impact rating without model-level test evidence

Pedestrian Turnstile Selection

System	Specify	Integration note
Lane	Clear width, expected people per minute and accessibility route	Accessible lane and evacuation route require project planning
Credential	Card, QR, face, fingerprint, ticket or visitor workflow	Confirm reader dimensions, power, Wiegand/RS485/TCP/IP or relay interface
Direction	One-way, two-way, free passage or controlled return	Controller logic must match the site's access policy
Emergency	Fire alarm input and required fail-safe behavior	Final behavior must follow local requirements and site risk assessment

3. Gate and Door Automation

Gate weight is only one selection input. Provide actual movement force, leaf or travel length, hinge/track condition, wind area, duty cycle, opening speed and safety architecture.

Application	Required project data	Common options to review
Sliding gate	Gate weight, length, track gradient, measured push force, rack and cycles	24V DC or AC drive, soft start/stop, manual release and backup power
Swing gate	Weight and length per leaf, hinge offset, opening angle and wind exposure	Linear actuator or articulated arm, synchronized dual-leaf control
Retractable gate	Gate structure, running surface, travel distance and alignment	Operator matching, guidance, limits and obstacle detection
Automatic pedestrian door	Leaf mass, opening width, traffic, sensor layout and hold-open mode	Sliding/swing operator, radar, safety sensor and access-control input

Safety and Control Architecture

Plan photocells, safety edges, loops, radar, warning devices, emergency stop, force limits and manual release from a documented site risk assessment. Controller-based obstacle detection supports but does not replace external protective devices. Access-control commands must enter through approved controller inputs and must not bypass safety logic.

Climate Review

Condition	Engineering review
Sub-zero climate	Lubricant, seals, bearings, cable flexibility, condensation, cabinet heater and battery performance
High heat	Controller derating, enclosure temperature, ventilation, motor protection and peak-duty test
Dust / sand	Cable glands, enclosure joints, vents/filters, rack/track contamination and maintenance interval
High humidity	Raised base, drainage, drip loops, conduit sealing, grounding, surge protection and condensation inspection

4. OEM/ODM and Integration Scope

Available scope depends on the selected model, order quantity, technical feasibility and approved quotation. Do not assume every option applies to every controller or product family.

Scope	Possible deliverables	Approval gate
Branding	Silk-screen logo, label, carton, manual and interface branding	Artwork, placement, color, quantity and sample approval
Hardware	Accessory set, reader bracket, controller option and approved environmental package	Electrical/mechanical compatibility and validation sample
Software	Model-specific SDK/API documents, relay mapping or interface support	Controller version, protocol scope, licensing and acceptance test
Documentation	Wiring diagram, installation guide, commissioning checklist and spare-parts list	Ordered configuration and document revision
Inspection	Pre-shipment function check and agreed evidence package	Inspection plan and acceptance criteria before production

Regional Agency and Project Protection

Approved partners may register qualified opportunities for defined customer, project, product scope, territory and validity period. Protection begins only after written approval and remains subject to accurate information, active follow-up, agreed conduct and applicable commercial terms. BAISEN ACCESS does not bypass an approved partner for the protected opportunity within the confirmed scope.

Register a project with: country, customer type, project name or reference, product family, estimated quantity, expected decision date, current project stage and partner contact details.

5. RFQ and Site Survey Form

Send the completed fields below with photographs, drawings and required delivery date. This information allows the sales and engineering teams to recommend an exact configuration without relying on assumptions.

Field	Buyer / integrator input
Company / country / website	_____
Customer type	Distributor / installer / system integrator / project buyer
Product family and quantity	_____
Site application	_____
Dimensions / weight / movement	_____
Peak duty and required speed	_____
Power supply and climate	_____
Safety devices	_____
Access-control interface	Relay / Wiegand / RS485 / TCP/IP / SDK/API / other
OEM/ODM scope	Logo / packaging / manual / controller / software / other
Target schedule	Sample / project delivery / tender deadline

REQUEST TECHNICAL REVIEW

WhatsApp: +86 181 1284 7046

Website: <https://baisenaccess.com/>

Send this sheet with project photos and drawings. The final proposal must identify the exact model, included accessories, exclusions, certification evidence, warranty terms and commercial conditions.