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Argus Air
moving security

Argus Air eGates: the new formula for efficient passenger flow.

Technical Product Brochure

Safety and efficiency at the airport

In recent years, airport security requirements have evolved to overcome global challenges. Airports are increasingly turning to solutions that maximise protection while ensuring operations run smoothly, so passengers can spend less time waiting at entrances and security, and more time shopping, at restaurants and using other services.

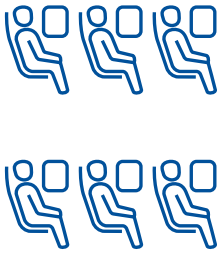
Modern solutions like sophisticated eGates play a crucial role in optimising passenger flow. They guarantee not only safety, but also convenience – for business travellers, families and people with mobility impairments alike.

Airport operators and airlines want highly efficient processes. **Initiatives such as One ID, end-to-end passenger processes, biometrics, and seamless travel** pursue the same goal: to optimise the airport experience, increase safety standards, and make infrastructure more efficient through standardisation.

Intelligent products and solutions over the entire passenger process – from security to border crossing and lounge access through to boarding – make a decisive contribution to making airports not only safer, but also more efficient. The Argus eGates can be integrated into a wide variety of airport configurations as part of a modular system.

Lars Rosenberger,
VP Airports & Airline
Passenger Processes
dormakaba

"The requirements of the future are demanding, but also incredibly exciting. As experts in airport access solutions, we can make a difference here, and we look forward to working together to find the best solution."



+30.9% passengers

In 2030, 5.64 billion passengers are expected to use global air transport - an increase of 30.9 percent compared to 2018.

(Statista Research Department, 10/2024)

Modern security technologies such as the Argus eGates combine protection, convenience and efficiency for a smooth passenger flow and a safe, pleasant airport experience - for all travellers and their individual needs.

The new formula for efficient passenger flow

Argus Air eGates for airports ensure an efficient, ergonomic passenger flow and can also be equipped with optional biometrics for extra security. They cover the most important touch-points in the passenger process from start to finish:

Argus Air Security
The eGates increase security, provide more convenience for passengers and relieve the burden on ground staff. Biometric data are compared with their boarding pass or ID card – for a secure and efficient passenger process.

Argus Air Lounge
These eGates offer lounge guests automated access, relieving staff of some of their workload. The same gate can be used for both entering and exiting the lounge area thanks to the bidirectional mechanism.

Argus Air Interlock
As a physical barrier for automated access control, the turnstiles enable secure and efficient access to sensitive areas, such as immigration.

Argus Air Boarding
Self-boarding gates are impressive when it comes to functionality, with features enabling priority boarding or boarding by zone or row, as well as disembarking at the same eGate, ensuring a smooth, efficient process.

Argus Air solutions for airports:

- 10" LCD colour display with integrated biometric facial recognition
- Extremely low false acceptance and rejection rates thanks to state-of-the-art sensors with new light curtain technology.
- High-end sensor technology: effective person and object recognition through high-frequency sensors and optimised algorithms
- Anti-swapping feature prevents certain individuals swapping with others
- Intuitive user guidance thanks to animated LED lighting
- Multicolour, configurable ambient and door lighting
- Slim, quiet drive unit
- Current generation control unit, meeting UL requirements
- Components and user interfaces arranged on the basis of ergonomic studies and many years of experience
- Required components can be flexibly integrated into one modular housing
- Fast boarding process with contactless control through biometric verification, also prevents travel documents from being used fraudulently.
- Intuitive user guidance for smooth processes
- Employee support for better customer service

XEA®

Great design speaks all languages.
Passengers are increasingly focusing on how airports are designed. The chic eGate solutions fit seamlessly into the whole, thanks to their modular design, profiles in preferred colours and individually coloured lighting. The XEA design language connects all dormakaba solutions and represents quality, innovation, compatibility and aesthetics.

Know who's there.
Argus Air Security.

The "self-guided journey" begins as soon as you enter the security area. Argus Air Security ensures maximum security with a fast flow of people.

- Secure, fast identification with biometrics for national and international flights
- Precise detection thanks to state-of-the-art sensors
- Complete separation of driving and closing forces for uninterrupted data streams
- High-quality, modular design that's easy to maintain
- Easy Load printer: extremely quick and easy change of paper rolls

Exclusive access.
Argus Air Lounge

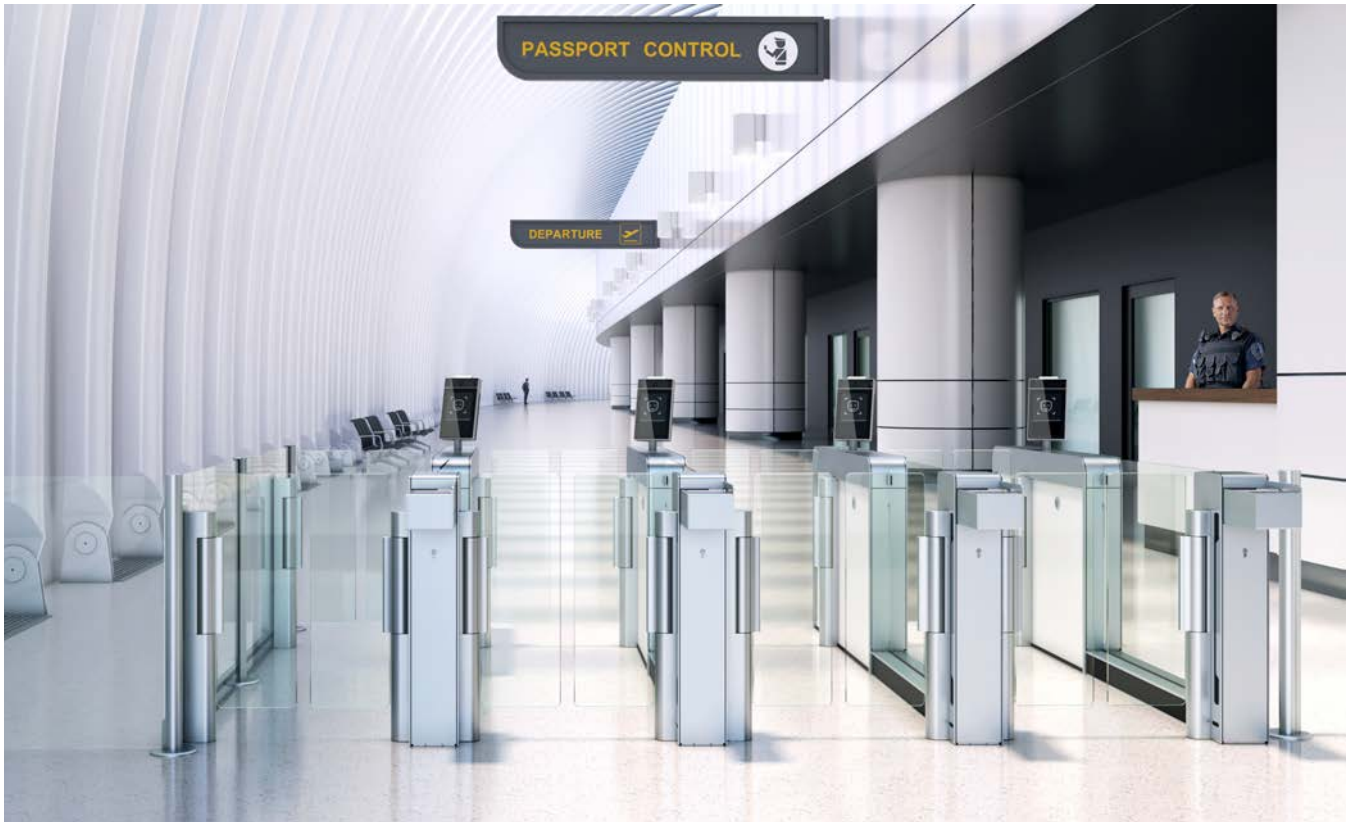
Business lounge guests expect exclusivity and first-class service, with easy, fast access.

- Exclusive lounge access for authorised persons only
- User-friendly bidirectional functionality
- Multiple release so guests can be brought in easily
- Identity verification with biometrics
- Space-saving, slimline and short design
- Elegant and inviting look

Safely across the border.
Argus Air Interlock.

Secure access control for automated border crossing. Additional safety is provided by raised door leaves and optimised guide elements.

- Complete facial recognition system from a single source
- Door leaves can be raised up to an upper edge of 1,800 mm
- Integration of all common barcode, NFC, RFID and ID document scanners
- Different passage widths depending on user groups
- Barrier interiors and system lengths can be individually adapted



Everyone on board.
Argus Air Boarding.

With seamless control, automated self-boarding provides additional safety at the gate and more convenience for passengers.

- Priority and zone boarding
- Disembarking can be done with the same eGate
- High-end sensor technology prevents swapping and tailgating
- Identity verification with optional biometrics
- High-quality, modular design that's easy to maintain
- Easy Load printer: paper rolls are extremely quick and easy to change

Standard units

Argus Air Security

Structure	Lock height	990 mm
	Lock length	1,650 mm
	Passage width	540 mm
	Total width	991 mm
	Housing, feet, guiding elements	Profile and inserts in the handrail and in the front of the side panels made from aluminium with NCS S 0500-N (white) / gloss 30-40 % Powder coating. Side glass cover made from 6 mm toughened safety glass in NCS S 1002-B (white). Partially transparent.
	Barrier elements	Two door leaves made from transparent toughened safety glass 10 mm with a row of light grey squares, top edge 990 mm.
	Sensor systems	Sensor systems integrated in the guiding elements.
Function	Drives and control system	Integrated into the swing pipe. Power-assisted movement; two servo positioning drives / electrically controlled in main passage direction. Passage area with presence detection through horizontal light curtain and separation through vertical light curtain directly in front of the barrier element in the main passage direction. Integrated creep-under protection, detection of children and trolleys. Safety: door leaf swing range monitored by the same sensor system.
	Operating modes	Closed basic state "Night operation": The door wings open in the passage direction when authorised and then close again.
Electric system		Control units and power supply unit integrated in the unit.
	Power supply	100–240 VAC 50/60 Hz, 300 VA
	Standby power consumption	17 VA
	Default setting in the event of power failure	Door leaf can be moved freely.
Installation		Doweled on finished floor FF. Only for indoor applications.

Options

Version	Individual and multiple units available
Passage width monitored with sensors	Passage width 900 mm/915 mm. Extended passage width with reduced opening angle. Toothed brake locks when pressed.
Door wing elevation with drive unit 850 mm	Door leaf upper edge 990 mm to 1,800 mm (10 mm toughened safety glass).
Reader installation	Various barcode and document readers available. Customer devices can also be integrated (depending on size).
Biometrics	Face pod with 10" screen and central light with LED signal (red/green). Optional touch function, biometrics and 7" rear screen for personnel. Or installation preparation for customer device.
Printer	Thermal printer for seat printing with Easy Load for quick paper changes.
User guidance	Illuminated RFID symbol in white, red and green/white-red-green chaser light integrated into handrail/animated Process icons on optional Facepod.
Ambient lighting	LED white K4000 in passage area / LED white K4000 outside / additional red and green for status display.
Exit and escape route	SafeRoute terminal incl. licences for up to 6 units. Door leaves can be moved freely/doors move when open.
Boarding gate reader	CUTE certified with all major CUTE providers. Integration with existing departure control systems (DCS) or airport operation databases (AODB) possible.

Standard units

Argus Air Lounge

Structure	Lock height	990 mm
	Lock length	1,650 mm
	Passage width	540 mm
	Total width	991 mm
	Housing, feet, guiding elements	Profile and inserts in the handrail and in the front of the side panels made from aluminium with NCS S 0500-N (white) / gloss 30-40 % Powder coating. Side glass cover made from 6 mm toughened safety glass in NCS S 1002-B (white). Partially transparent.
	Barrier elements	Two door leaves made from transparent toughened safety glass 10 mm with a row of light grey squares, top edge 990 mm.
	Sensor systems	Sensor systems integrated in the guiding elements.
Function	Drives and control system	Integrated into the swing pipe. Power-assisted movement; two servo positioning drives / electrically controlled in main passage direction. Passage area with presence detection through horizontal light curtain and separation through vertical light curtain directly in front of the barrier element in the main passage direction. Integrated creep-under protection, detection of children and trolleys. Safety: door leaf swing range monitored by the same sensor system.
	Operating modes	Closed basic state "Night operation": The door wings open in the passage direction when authorised and then close again.
Electric system		Control units and power supply unit integrated in the unit.
	Power supply	100–240 VAC 50/60 Hz, 300 VA
	Standby power consumption	17 VA
	Default setting in the event of power failure	Door leaf can be moved freely.
Installation		Doweled on finished floor FF. Only for indoor applications.

Options

Version	Individual and multiple units available.
Passage width monitored with sensors	Passage width 900 mm/915 mm. Extended passage width with reduced opening angle. Toothed brake locks when pressed.
Door wing elevation with drive unit 850 mm	Door leaf upper edge 990 mm to 1,200 mm (10 mm toughened safety glass).
Reader installation	Various barcode and document readers available. Customer devices can also be integrated (depending on size).
Biometrics	Face pod with 10" screen and central light with LED signal (red/green). Optional touch function, biometrics and 7" rear screen for personnel. Or installation preparation for customer device.
Printer	Thermal printer for seat printing with Easy Load for quick paper changes.
User guidance	Illuminated RFID symbol in white, red and green/white-red-green chaser light integrated into handrail/animated Process icons on optional Facepod.
Ambient lighting	LED white K4000 in passage area / LED white K4000 outside / additional red and green for status display.
Exit and escape route	SafeRoute terminal incl. licences for up to 6 units. Door leaves can be moved freely/doors move when open.
Boarding gate reader	CUTE certified with all major CUTE providers. Integration with existing departure control systems (DCS) or airport operation databases (AODB) possible.

Standard units

Argus Air Interlock

Structure	Lock height	990 mm
	Lock length	2,870 mm
	Passage width	540 mm
	Total width	963 mm
	Housing, feet, guiding elements	The housing, the inserts in the front and rear, the drive cover and the swing pipe are made with aluminium profiles. Side glass cover partially transparent
	Barrier elements	A pair of door leaves made from transparent toughened safety glass 10 mm with an upper edge of 990 mm on the entrance side and also on the exit side
	Sensor systems	Sensor systems integrated in the guiding elements.
Function	Drives and control system	Drives and control system integrated into the swing pipe. Power-assisted movement; two servo positioning drives / electrically controlled in main passage direction. Horizontal light curtain in the passage area for personal protection and presence detection as well as vertical light curtain in front of the barrier elements for separating people. Integrated creep-under protection as well as detection of children and trolleys or other hand luggage.
	Safety	Door leaf swing range monitored by the same sensor system.
	Operating modes	Closed basic state "Night operation": The door wings open in the passage direction when authorised and then close again.
Electric system		Control units and power supply unit integrated in the unit.
	Power supply	100–240 VAC 50/60 Hz, 300 VA
	Default setting in the event of power failure	Door leaf can be moved freely.
Installation		Doweled on finished floor FF. Only for indoor applications.

Options

Version	Individual and multiple units | 2 Step / 2 Obstacles or 1 Step / 2 Obstacles
Lock interior	2,150 mm or shortened unit with an interior of 1,950 mm
Passage width monitored with sensors	Passage widths 540 mm - 915 mm
Door wing elevation with drive unit 850 mm	Door leaf upper edge 990 mm to 1,800 mm (10 mm toughened safety glass)
Reader installation	The installation of common barcode and document readers for airport applications is planned. Customer devices can also be integrated with project-specific adaptations.
Biometrics	Face pod with 10" screen and central light with LED signal (red/green). Optional touch function, biometrics and 7" screen on the back for staff. Or installation preparation for customer device.
User guidance	LED status indicator red/green in the housing on the right, integrated on the entrance side Animated process icons on optional Facepod
Surface	Anodised C0 (silver), anodised C31 (Niro), powder-coated according to RAL
Exit and escape route	SafeRoute terminal incl. licences for up to 6 units. Door leaves move freely/move when open.

Standard units

Argus Air Boarding

Structure	Lock height	990 mm
	Lock length	1,650 mm
	Passage width	540 mm
	Total width	991 mm
	Housing, feet, guiding elements	Profile and inserts in the handrail and in the front of the side panels made from aluminium with NCS S 0500-N (white) / gloss 30-40 % Powder coating. Side glass cover made from 6 mm toughened safety glass in NCS S 1002-B (white), partially transparent.
	Barrier elements	Two door leaves made from transparent toughened safety glass 10 mm with a row of light grey squares, top edge 990 mm.
	Sensor systems	Sensor systems integrated in the guiding elements.
Function	Drives and control system	Integrated into the swing pipe. Power-assisted movement; two servo positioning drives / electrically controlled in main passage direction. Passage area with presence detection through horizontal light curtain and separation through vertical light curtain directly in front of the barrier element in the main passage direction. Integrated creep-under protection, detection of children and trolleys. Safety: door leaf swing range monitored by the same sensor system.
	Operating modes	Closed basic state "Night operation": The door wings open in the passage direction when authorised and then close again.
Electric system		Control units and power supply unit integrated in the unit.
	Power supply	100–240 VAC 50/60 Hz, 300 VA
	Standby power consumption	17 VA
	Default setting in the event of power failure	Door leaf can be moved freely.
Installation		Doweled on finished floor FF. Only for indoor applications.

Options

Version	Individual and multiple units available.
Passage width monitored with sensors	Passage width 900 mm/915 mm. Extended passage width with reduced opening angle. Toothed brake locks when pressed.
Door wing elevation with drive unit 850 mm	Door leaf upper edge 990 mm to 1,800 mm (10 mm toughened safety glass).
Reader installation	Various barcode and document readers available. Customer devices can be integrated (depending on size).
Biometrics	Face pod with 10" screen and central light with LED signal (red/green). Optional touch function, biometrics and 7" rear screen for personnel. Or installation preparation for customer device.
Printer	Thermal printer for seat printing with Easy Load for quick paper changes.
User guidance	Illuminated RFID symbol in white, red and green/white-red-green chaser light integrated into handrail/animated Process icons on optional Facepod.
Ambient lighting	LED white K4000 in passage area / LED white K4000 outside / additional red and green for status display.
Exit and escape route	SafeRoute terminal incl. licences for up to 6 units. Door leaves can be moved freely/doors move when open.
Boarding gate reader	CUTE certified with all major CUTE providers. Integration with existing departure control systems (DCS) or airport operation databases (AODB) possible.

Our Sustainability Commitment

We are committed to foster a sustainable development along our entire value chain in line with our economic, environmental and social responsibilities toward current and future generations. Sustainability at product level is an important, future-oriented approach in the field of construction. In order to give quantified disclosures of a product's environmental impact through its entire life cycle, dormakaba provides Environmental Product Declarations (EPD), based on holistic life cycle assessments.

www.dormakaba.com/sustainability

Our offering

Access Automation Solutions

Entrance Automation
Entrance Security

Access Control Solutions

Electronic Access & Data
Escape and Rescue Systems
Lodging Systems

Access Hardware Solutions

Door Closers
Architectural Hardware
Mechanical Key Systems

Services

Technical Support
Installation and commissioning
Maintenance and Repair

WN 05524251532, EN, 05/2025
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