ProxerPort 8G high-speed access control gate

The Procontrol ProxerPort 8G (PP8G) flap-wing speed gate is the most robust and advanced solution for high-speed person-access control passageways in challenging application environments.

It can be used in public areas (mass transportation, mass events, parks and recreational areas) and outdoor installations, thanks to the special heavy-duty gate construction.

Procontrol Electronics Ltd.
H-6725 Szeged, Cserepes sor 9 B. Hungary
EU VAT No.: HU 10311617 Tel: +36 (62) 444-007
IBAN: HU23 1070 0062 0418 2405 5110 0005
Email: info@procontrol.hu Web: www.procontrol.hu

Key features of PP8G access control speed gates:

- Extremely stable, heavy-duty, vandal-resistant construction
  - recommended for outdoor applications
- High-speed, comfortable, physical contact-free passage through the gate
  - over 35 person/minute sustained flow rate is available in one lane (if the authorization signal is received fast enough)
  - easy passing is possible also with luggage
- Several parallel lanes can be installed for high-traffic entrances
  - dual gate version is available with flap wings on both sides
- Highest level of security and safety: large number of optical sensors guarantee that
  - only a single person is allowed to pass by a single authorization
  - the user will be not hurt by the gate's operation in any case
- Ease of use: large, bright, color dot-matrix displays signal the gate's operation status
- High level of customization available
  - Virtually any aspect of the gate (housing and flap wing material, color and design, reader and display integration, mechanism, control logic, security features) are available for customer-specific customization based on special agreement
- Noiseless operation using world-class quality mechanism and sophisticated driving electronics
- Especially long service life

Robust design
ProxerPort 8G gates feature a classic and simple design: they are especially robust, stable stainless steel gates. These gates are manufactured from 2 mm thick AISI 304 stainless steel cover material (using 3 mm thick internal reinforcement), with highly resistant brushed surface finish.

High-speed operation
ProxerPort8G allow extremely fast, unobstructed, continuous passage, even for persons with luggage. There is virtually no limit from the gate to the passage speed: the gate's flap wings operate with such a high speed (0.3 seconds open/close time) that the traffic speed is limited by the authorization signal (badge reading) and person walking speed. The door-flaps close immediately once the person (and his/her bags) fully passed the gate's wings: this increases security and speed.

Security and safety features
The gates are equipped with a large number of sophisticated optical sensors to detect the presence and movement of persons and objects within the gate's entire passage area. These sensors prevent any accidents even in case of careless users. The sensor detect unauthorized passage attempts (and more than one person trying to pass at once), and can trigger internal/external alarms, and optionally send triggers to video recording system.
In addition to standard optical barriers optional infrared heat camera system can be installed to recognize heat sources: this can be used to distinguish between human bodies and passive bodies (bags), improving security (detection of unauthorized passage attempts).

Procontrol ProxerPort 8G flap-wing speed gate - Specifications:

Dimensions	Height: 1000 mm Width: 330 mm Length: 1800 mm (2020 mm optional) Passage width: 570-650 mm (600mm recommended) or 1000 mm with double wings (for special needs)
Cabinet structure:	Rectangular columns and coverings are from AISI 304 stainless steel, with brushed surface finish. AISI 304 cover plate with built-in sensors
Wings (flaps):	Two 14 mm thick clear polycarbonate swing blades (unbreakable glass) (soft polyurethane also available). The wing's top edge is 930 mm high from the floor. The wing's area is controlled by optical sensor-pairs.
Wings speed:	The wings open/close in 0.3 seconds
Operating modes:	1. Normally open: If an unauthorized person wants to pass, the wings close to prevent the passage 2. Normally closed: If an authorized person wants to pass, the wings open to allow the passage 3. Open: the wings are open. It can be set automatically in case of fire or accident 4. Closed: the wings are closed
Security and safety:	The entire passage area is monitored by highly sophisticated optical sensors, with particular regard to the safety of children and the prevention of slipping. A separate safety system is installed to limit the torque of the wings. In case of fire and power failure, the wings open automatically
Communication:	TCP/IP Ethernet 10 / 100 / 1000 Mbit RS485 Optional: Radio communication (WIFI, Bluetooth, ISM 433/868 MHz) Full remote diagnostics possible over all interfaces (gate status, gate control, statistics, parameters, firmware upload) Conventional Authorization In/Out relay signals inputs, and Passage Successful In/Out relay signals outputs
Drive unit:	High quality, completely silent, geared motor (Dunkermotoren), with microcontroller-based PID control
Power supply:	90V-270 VAC 50/60Hz (24 VDC supply available)

Consumption:	In standby mode 10 W Actual peak power consumption 120W
Operating conditions:	Temperature: -20 - +60 °C, outdoor operation
Options:	RFID reader mounting kit (IP65) Audio player (voice messages) with remote update Passage lightning, running light Edge lighting of wings Remote control (wired or wireless) Emergency backup power supply (UPS) Unique surface finish and other customizations

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