



ProStyl AVL Keypad Reader

High-security access control

The **ProStyl AVL Keypad Reader** is a key component in providing an effective solution that meets the market's high-security **Access Control** requirements.

ProStyl Keypad reads contact-less chip cards integrating 13.56 MHz technology which meet international ISO standards in accordance with the ISO 14443 (part A) and ISO 14443 (part B) standards (Proximity cards). It also meets the requirements of the ISO 15693 standard (for Vicinity cards).

The keypad can be used for PIN code authentication, as well as arming and disarming areas.

Integrated into the **SMI Server architecture**, **ProStyl Keypad** is the final component in a secure chain that extends from the workstation right up to the access card and its holder.

This coherent approach is the foundation for a high level of security which guarantees the confidentiality of sensitive data, such as user IDs, reading keys and PIN codes.

ProStyl Keypad meets the market's expectations in terms of sturdiness (protection and anti-vandal ratings).

As far as security at so-called "sensitive" sites is concerned, **ProStyl Keypad** can be used to ensure compliance with the **ANSSI's** recommendations for associating readers and cards and readers and controllers.

ProStyl Clavier's scalability is based on the following features:

- Current and future authentication functions
- Specially adapted processing of more specific cards, such as CPS3, Moneo, Calypso, etc.
- High-level requirements – such as **IAS**.
- The integrated firmware and sensitive data are upgraded through downloads from the administration workstation.

For outdoor environments subject to potential vulnerabilities, **ProStyl Keypad** can be installed with a stainless steel protective cover.

Gunnebo checks that all contact-less cards and **NFC** equipment is compatible with the **ProStyl Keypad** reader and provides its clients with support in the choices they make for:

- Migrating identification technologies
- Integration into the SMI Server platform

The **ProStyl Keypad** reader is a rational and long-term investment for:

- Migrating existing facilities, using RS422 cabling. Possible interface with the RS485 protocol.
- Accessing a high level of security with the RS485 protocol.
- Taking advantage of a **solution that is fully integrated** into SMI Server.



This product has been awarded the CSPN Certification (March 2017) and the Elementary Level Qualification (April 2017) by ANSSI, the French Network and Information Security Agency, for identification, authentication and access control technologies.

ProStyl AVL Keypad Reader

| POWER SUPPLY | |
|---------------------------------------|--|
| • Power supply | +9Vdc to 28Vdc direct current |
| • Consumption | Typical. 170 mA |
| TECHNICAL CHARACTERISTICS | |
| • Identification mode | <ul style="list-style-type: none"> RFID in 13.56MHz Proximity and Vicinity mode CSN reading for all Mifare® cards (NXP chips: Mifare® Classic, Mifare® Plus, Mifare® DESFire). UID reading of ISO 14443-part A compatible chips PUPI reading of ISO 14443-part B compatible chips Secure reading of Smart cards (Mifare® Classic and DESFire) For other secure cards, please consult us |
| • Authentication mode | 12-key backlit keypad. The "5" key is marked for visually impaired people. |
| • Cards supported | <ul style="list-style-type: none"> In the catalogue: Smart PASS series (ref.: APQE04, APQE17, APQB80, APQ886, APQM66, APOF89, APOF90) Other cards: consult us |
| • Frequency | Reader resonance frequency: 13.56 MHz +/- 7 KHz |
| • Performance | ISO-format card: In proximity mode: secure detection at up to 35 mm depending on cards and environmental conditions. In vicinity mode: CSN detection at up to 90 mm depending on cards and environmental conditions. |
| • Protocol & Interface | Data exchange protocol with our door controllers: RS485 mode (secure) RS485 bus; 38 Kbs speed; half duplex Multipoint addressing |
| • Display | <ul style="list-style-type: none"> 2-colour LED display for access management and option to manage sequences for presenting the card and entering a PIN code. Ambient LED for a more friendly interface for the user. Integrated buzzer |
| • Anti-removal | This feature is provided as standard (reader and keypad tamper protection) |
| • Metallic environment | Operates directly on a metallic surface (performance reduced by 30%). |
| • Temperatures | Operation -20 °C to + 60 °C Storage -20 °C to + 65 °C |
| PHYSICAL CHARACTERISTICS | |
| • Dimensions | Dimensions of case: 170x94x26 mm |
| • Weight | 570 g |
| • Ratings & protections | <ul style="list-style-type: none"> IP 66 (Front face IP 67); IK 10 |
| • Materials | Polycarbonate and body made of ABS |
| • Mounting & installation | Using 4 screws Wall-mounted on a holding ring or with base. |
| CONNECTIONS | |
| • Connection | • With 8-point unpluggable connector. |
| • Connection distances | • Max. distance: 1 km if using RS485 (less if the voltage at the terminals of the keypad reader is less than 9 volts) |
| • Cables recommended for installation | <ul style="list-style-type: none"> Cat 5 cable. AWG 22, 4 to 10 shielded twisted pairs (80%). |
| COMPLIANCE & WARRANTY | |
| • EC Compliance | EC marking |
| • Warranty | 12 months (manufacturer's warranty) |
| GUNNEBO REFERENCES | |
| • ProStyl AVL keypad | A10535: AVL compact version AER762: Replacement window |
| • Stainless steel cover | A10539: Stainless steel cover (H=185 I=103 D=73 mm) |
| • Base | A10538 |