PARAGON ID

P 1 Validator

Specifically designed for bus, tram, light rail and platform installations

New cutting-edge validator based on Android mother board and Ingenico Open/2500 reader as its contactless core platform, aggregated with an easy-to-use display, bar code reader and sound unit.

Unique design, compact, simple and robust.

Features

Main board	Android CPU motherboard Flash: 16GB RAM: 4GB CPU : iMX8 mini (ARM Cortex-A53) Quad cores 1.6 GHz Android Pie operating system
Reader – Fare media support	**Ingenico Open 2500** Compliant with **ISO 14443 A/B/B', ISO 15693, ISO 18092** (card / reader / peer to peer modes) Ingenico Tetra operating system MicroSD up to 32GB

Ingenico Open 2500
Compliant with **ISO 14443 A/B/B', ISO 15693, ISO 18092** (card / reader / peer to peer modes)
Ingenico Tetra operating system
MicroSD up to 32GB

Supported close-loop cards:
- Mifare Classic, Ultralight, Plus, DESFire
- Calypso rev1, 2.4, 3.1 & 3.2 with contactless protocols A/B, B'
- Sony Felica
- CIPURSE
- CTS512B, CTS256B, CTM512, SRT512, SRI512, ST25TB…

EMVCo L1 & L2, PCI 5 SRED
EMV Level 1 compliant / Level 2 by partners' validator integration
PCI PTS v5.1 SRED. PCI Certification PTS v5.1 online and offline

Accepts all contactless payment methods: Visa, MasterCard, American Express, …

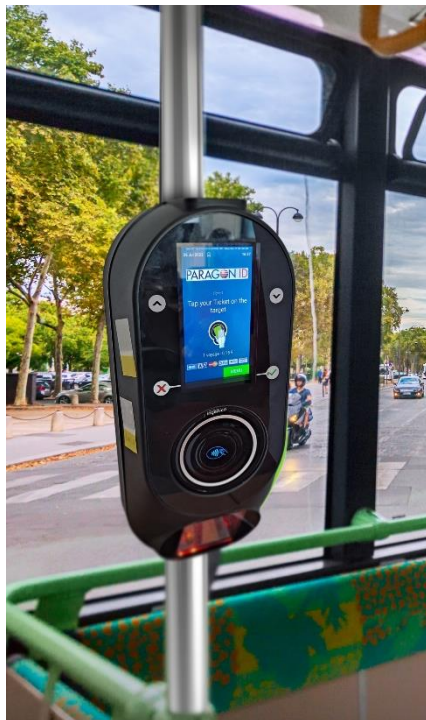### SAM interface
4 SAM ID-000 ISO 7816 (PPS & HSP Innovatron)
Tested for vibration resistance
Accessible without dismounting the reader
High read/write speed on transportation card (250ms)

Barcode Reader
Wide angle QR and 1D/2D barcode reader

Physical Characteristics

User interface	5" LCD color display 1280x720 (WXGA-H) 4 capacitive buttons 6 x 4 green/red LEDs + RVB backlit landing zone Contactless landing zone Audible alerts and feedback Buzzer Mono Polyphonic sound (wav reader) 80 dB at 1m
SAM interface	4 SAM ID-000 ISO 7816 (PPS & HSP Innovatron) Tested for vibration resistance Accessible without dismounting the reader High read/write speed on transportation card (250ms)
Operating Temperature	-20° to +55°C
Storage Temperature	-20° to +70°C
Operating humidity	95% non-condensing at +55°C
Dimensions	336 * 140 * 107 mm Weight: 2 kg Mount pole: 30 to 40 mm

Standards

Hardware hardening	EMC standards CE FCC For fixed & mobile (road & railways) equipment IP rating: IP65 Anti-vandalism rating IK10
Communication interface	Ethernet 10/100 base-T RJ45 Bluetooth 4.1 module (beacon mode via Open2500)
Power Supply	External power supply 8 to 24 VDC Current: 500 mA at 12V
Certifications	CEN/TS16794 RCTIF V5 Class A2 EMV Level 1 / Level 2 PCI PTS v5.1 SRED online and offline

Personalization / Branding
5 color options