

ingenico

OPEN/1500

Stealthy, powerful and scalable contactless module to fit any transport project



- Designed for Open Payment by meeting transport & payment requirements
- Integrated easily & sleekly in plastic embedded validator (bus, tramway, train, ferries...)
- Complies with transport & payment standards thanks to a dedicated compliant contactless reader
- Enable new use cases such as contactless tickets, mobiles or IoT and closed-loop card

The best of transport and payment worlds to meet all your Open Payment requirements.

All contactless payment methods supported

- Close loop cards (Mifare®, Desfire®...) and contactless tickets
- Payment method (Visa, Mastercard, Amex) including transit versions

Easy mechanical integration and maintenance:

- Flush and stealthy integration in a bus, a tramway, a train or a ferry in validators, kiosks or driver consoles (plastic casing)
- Compact form factor

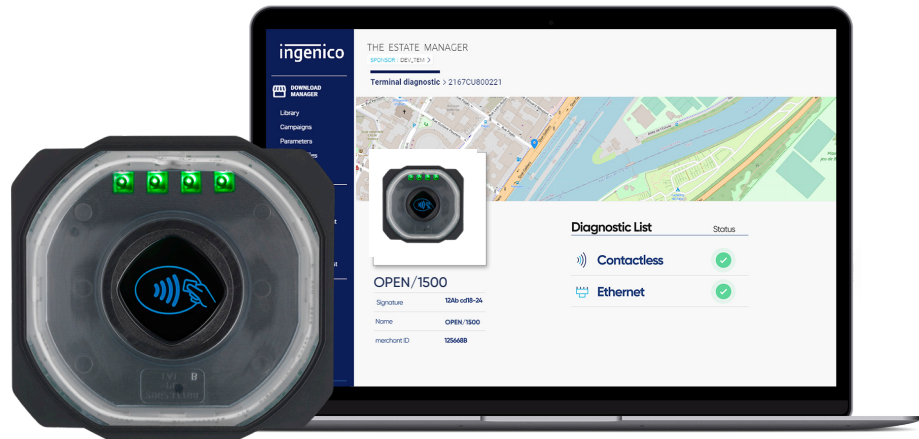
Highest level of security with PCI PTS certification

Transportation version

- Compliant with automotive and railways standards
- Additional removable battery to preserve internal battery during all reader lifetime

Consumer version

- Fit for toll, access control, EV charging
- Power Over Ethernet for an easy integration



Supported by Ingenic's suite of services

- Fleet management & security solutions
- Hardware services
- Professional services

Specifications

Processor/OS	<ul style="list-style-type: none"> • Cortex A5 - Telium TETRA 	✓	IP	<ul style="list-style-type: none"> • IP 65 	✓
Memory	<ul style="list-style-type: none"> • 512 MB Flash, 512 MB RAM • MicroSD up to 32GB 	✓ ✓	IK	<ul style="list-style-type: none"> • IK 10 	✓
Contactless readers	<ul style="list-style-type: none"> • EMV Contactless L1 3.1 certified / support ISO 14443 • ISO 18 092 (reader mode) 	✓ ✓	Terminal size	<ul style="list-style-type: none"> • 75.5 (W) x 72 (H) x 37(D) mm (2.9x2.8x1.5") 	✓
SAM	<ul style="list-style-type: none"> • 4xSAM ID-000 ISO 7816 (High Speed protocol) 	✓	Weight	<ul style="list-style-type: none"> • 134 g (4.7oz) 	✓
User interface	<ul style="list-style-type: none"> • RVB backlit landing zone • 4 RVB LEDs 	✓ ✓	Operation conditions	<ul style="list-style-type: none"> • Relative humidity: 95% non-condensing at 40°C • External temperature range: -20°C to +70°C (-4°F to 158°F) for consumer product • External temperature range: -20°C to +55°C (-4°F to 131°F) for transportation (automotive, railways) product 	✓ ✓ ✓
Audio	<ul style="list-style-type: none"> • Buzzer Monotone • Polyphonic sound with external loudspeakers 	✓ ✓	Storage conditions	<ul style="list-style-type: none"> • 95% non-condensing at 55°C • External temperature range: -20°C to +70°C (-4°F to 158°F) 	✓ ✓
Power Supply	<ul style="list-style-type: none"> • 12V - 24V DC • Power over ethernet up to 48V DC (consumer version only) 	Option Option	Specific to transportation version	<ul style="list-style-type: none"> • Additional removable battery to avoid any internal battery change during the product's lifetime 	✓
Terminal Connectivity	<ul style="list-style-type: none"> • Ethernet 10/100, 1 x RJ45 LAN port 	✓	Specific to consumer version	<ul style="list-style-type: none"> • LAN with Power over Ethernet (PoE) – up to 48V DC 	✓
Terminal Connections	<ul style="list-style-type: none"> • 1 x USB Slave • 2 x USB Host • 2 x RS232 • I/O isolated ports (2 x inputs + 2 x outputs) • 1 x 2 PIN connector for external loudspeaker 	✓ ✓ ✓ ✓ ✓	Accessory	<ul style="list-style-type: none"> • Plastic piece for rounding the landing zone (cabochon) • 6 points to 2 points connector adapter (for 12V PSU) 	✓ ✓
Security	<ul style="list-style-type: none"> • PCI PTS 6 certified 	✓			

