

# Open/1500

Sleek, powerful and scalable contactless module for transportation projects



- Designed for open payment by meeting transport and payment needs
- Integrated easily and sleekly in plastic embedded validator (bus, tramway, train, ferries)
- Enable use cases such as contactless tickets, mobile and IoT based transactions and closed-loop cards



Part of new generation of unattended devices, the Open/1500 offers the best of transport and payment worlds to meet all your open payment requirements.



#### Highest security

PCI PTS 5.1 certified, the Open/1500 is natively designed to meet local regulations and ensure long-term compliance.

#### Contactless, NFC Payment

The Open/1500 enables contactless payments methods: Visa, Mastercard, Amex, Discover, China Union Pay, Interact, Flash, ApplePay, and GooglePay.

#### Ticketing and media applications

The Open/1500 is able to manage digital tickets: closed-loop cards (Mifare®, Desfire®), NFC devices, and contactless tickets. The Open Series can work with future ticketing media and new transport applications with our Paragon ID partnership.

#### Consumer version

The Open/1500 consumer version adds Power over Ethernet (PoE) functionality to ease integration and supply the device up to 48V DC. For Example toll, access control, and EV charging.

#### Transportation version

The Open/1500 transportation version is compliant with automotive and railways standards. The second battery which is removable, backs up the primary battery and allows for extended device lifetime and increases overall user availability.

#### Easy mechanical integration in embedded validators

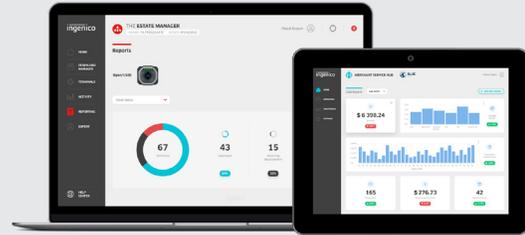
Thanks to its sleek design, the Open/1500 fits in a plastic validator which can be embedded in a bus, a tramway, a train or a ferry. Only the backlit RGB and RGB LEDs are visible.

#### Powerful, with multiple connections

Based on the most powerful processor of Telium TETRA range with a large amount of memory, the Open/1500 has many interfaces to fit open payment use cases.

#### Highly ruggedized and durable

The robust design (IK10) and high protection against water (IP65) allow the Open/1500 to stand up to demanding indoor and outdoor environments.



The Open/1500 is supported by our Cloud Services

<b>Processor / OS</b>	• Cortex A5 - Telium TETRA	✓
<b>Memory</b>	• 512 MB Flash, 512 MB RAM • MicroSD up to 32GB	✓
<b>SAM</b>	• 4xSAM ID-000 ISO 7816 (High Speed protocol)	✓
<b>Contactless Reader</b>	• EMV Level 1 / ISO 14443 A/B/B' • ISO 18 092 (reader mode)	✓
<b>User Interface</b>	• RGB backlit landing zone • 4 RGB LEDs	✓
<b>Audio</b>	• Buzzer Monotone • Polyphonic sound with optional external loudspeakers	✓
<b>Terminal Connectivity</b>	• Ethernet 10/100, 1 x RJ45 LAN port	✓
<b>Terminal Connections</b>	• 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	✓
<b>Power Supply</b>	• 12V - 24V DC • Sleep mode	✓

<b>Security</b>	• PCI PTS 5.1 certified	✓
<b>IP</b>	• IP 65 Ingress protection	✓
<b>IK</b>	• IK 10 Shock Protection	✓
<b>Terminal Size</b>	• 2.9" x 2.8" x 1.5" (75.5 × 72 × 37mm)	✓
<b>Weight</b>	• 4.7oz (134g)	✓
<b>Operation Conditions</b>	• Relative humidity: 95% non-condensing at 104°F (40°C) • External temperature range: -4°F to 158°F (-20°C to +70°C) for consumer product • External temperature range: -4°F to 131°F (-20°C to +55°C) for transportation (automotive, railways) product	✓
<b>Storage Conditions</b>	• 95% non-condensing at 131°F (55°C) • External temperature range: -4°F to 158°F (-20°C to +70°C)	✓
<b>Accessories</b>	• Plastic piece for rounding the landing zone • 6 points to 2 points connector adapter (for 12V PSU)	✓
<b>Specific to Transportation Version</b>	• Additional removable battery to avoid any internal battery change during the product's lifetime	✓
<b>Specific to Consumer Version</b>	• LAN with Power over Ethernet (PoE) – up to 48V DC	✓



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