General characteristics

CéLite is the new driver console on Linux for public transport is the logical unit of a Transport Operating Aid and Information System and/or Ticketing System with a fully adjustable design.
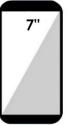
It is a robust device for public transport systems, but it can be used in other projects.

It simultaneously supports **NFC** ISO 14443 A/B/B' devices with 2 sockets for **SAM** and **QR scanner**. It can also incorporate an **EMVco** reader with 2 additional sockets for SAM and a camera for driver's facial recognition.

It supports a **high speed thermal printer** with space for 2 paper rolls. Its large **7" touch screen**, a 4 LED 'traffic light' and a speaker with voice synthesis capability complete the user interface.

The usual communication is via ethernet or WIFI through the onboard router. However, in addition to 4 serial ports and a relay, it accepts a 4G modem and a GPS receiver.

7"

Touch screen

NFC

Contactless card reader

1D/2D code scanner

WiFi and Bluetooth

Thermal printer

Facial recognition

Technical features

- Housing in ABS Hi-Tech and stainless steel with safety lock.
- Anchorage with swivelling foot or recessed in the dashboard.
- Dimensions: 230 x 150 x 130mm. Approximate weight: 1.5 kg.
- Extended voltage ranges from 9 to 36 Vdc.
- Operating temperature: from -10ºC to 55ºC.
- ARM microcontroller with Linux operating system.
- 1 Gbyte of SDRAM memory.
- MicroSD card up to 64Gb.
- High speed thermal printer (200mm/s) with space for 2 rolls of 57mm.

Communications

- 1 integrated relay output (2 A.) and several digital inputs and outputs.
- 2 RS-232 communication ports and other 2 RS-485 ports.
- 4 USB 2.0. ports and 1 Gigabit Ethernet port
- WIFI 2.4GHz and 5GHz IEEE 802.11.b/g/n/ac Wireless LAN, Bluetooth 4.2, BLE