

VPE 420 interactive validator

The contactless validator that makes contact

Customers want to be able to obtain information and recharge their cards at any place and at any time, so public transport operators are opening up ever more contact points.

Capable of reading all types of contactless media, this multifunctional, interactive validator is attractively designed to resemble a mobile communicating device.

Two versions are available: on-board and fixed for integration into a terminal or gate controller.

Thanks to its display, sound and data input functions, it invites passengers to validate their journey, informs them of their season ticket status, provides a map to help them choose their destination zone, thanks them for their patronage, etc.

It displays and audibly announces the next stop, disseminates passenger information, broadcasts video clips, and even conducts on-board surveys. Boost your image!



- **Performance**
- **Robustness and reliability**
- **Simple to install and maintain**
- **Low environmental impact**

VPE 420

Strong points

Performance

The long-range contactless ticketing antenna built into the validator screen reads all types of contactless device – cards, tickets, NFC phones, USB keys – up to 10 cm away, even in a bag or a wallet. Speech synthesis can be activated on request to assist visually impaired users.

Robustness and reliability

All the validator's features match up to the robustness and reliability required of a mass transit device. A glass panel protects the screen against knocks and impacts.

Simple to install and maintain

The validator is linked up with a USB peripheral via a connector concealed behind a lockable flap on its underside. An identification memory module in the base stores the parameters, for automatic retrieval if the validator needs to be replaced.

Low environmental impact

Being battery free, the validator has a limited impact on the environment and avoids the need for preventive maintenance.

Technology

Dimensions

250 x 146 x 95 mm

Touch screen

6.5" colour TFT screen
Definition: 640 x 480 pixels
Vandal-proof touch panel

Sound module

Loudspeaker, sound intensity 72 dB at 1m
WAV or MP3 (option) files

Interfaces

2 ports configurable for RS232/RS422/RS485 including one configurable for SAEJ1708
1 Ethernet 10/100 base TX
1 master/slave USB 2.0
2 "on-off" inputs and 4 "on-off" outputs

Contactless ticketing interface

Radio coupler complying with the ISO/IEC 14443 standard, which supports the Innovatron B' protocol. As an option, the coupler can comply with the Felica (ISO/IEC 18092) standard and be "EMV contactless" compatible.
4 SAM slots.

Electronics

ARM core processor
256 MB SDRAM and 128 MB flash memory expandable up to 32 GB
256 byte identification module
Windows® CE operating system

Environment

Operating temperature:
-25 °C to +55 °C
Storage temperature:
-30 °C to +70 °C
Humidity:
95% RH without condensation at 35 °C
Water and dust protection index: IP54
Impact protection index:
IK07 for on-board version
IK10 for fixed version

Power supply

9 to 32 V DC – polarity inversion protection

