VAE CONTROLS GROUP

Electronic terminal for drivers ETR3

for self-service check-in and check-out at fuel terminals

ISO 9001:2015
ISO 10006:2004
ISO 14001:2016
ISO 27001:2013
ISO 45001:2018
NATO CONFIDENTIAL
AQAP 2110
SCC

The electronic console **ETR3** consists of an industrial PC with touch screen, dual card reader, biometric identification device, printer, voice communication system and camera. The equipment is installed in a robust steel enclosure with internal heating and temperature monitoring system. This ensures functionality at low temperatures.

The console is suitable for outside installation in non-hazardous area. **ETR3** can be fixed at original stainless steel stand-post or mounted on a wall. There is free space for your logo on the standpost.

The PC inside the console is powered by Windows operating system. This allows installation of custom specific software according to the application needs.

The IP voice communication system and the camera system are available for contact with operator.

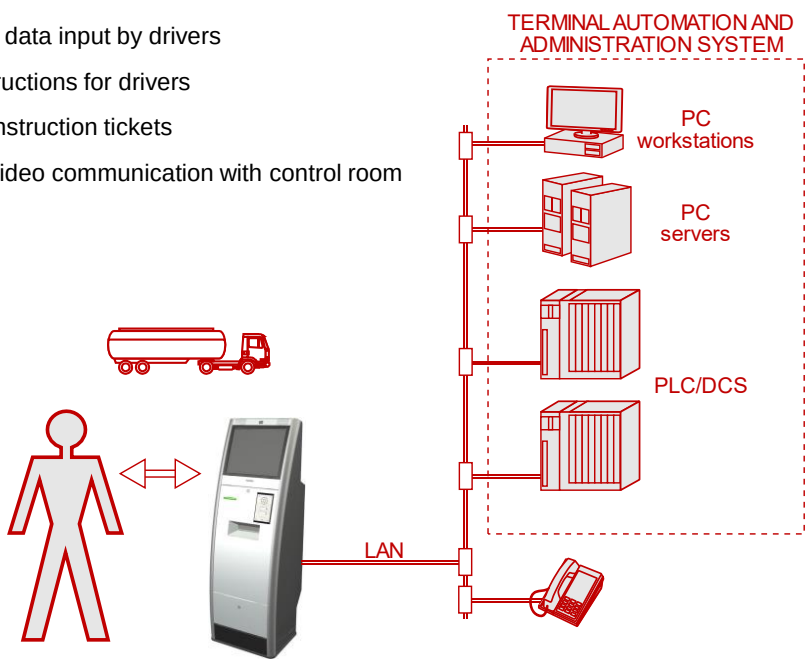
Basic features

- Robust metal cabinet
- RFID card reader
- Biometric identification PalmSecure (palm vein reader)
- 80 mm wide thermoprinter
- A4 laser printer for indoor version
- Voice communication device
- IP camera
- Supervisory device for monitoring of internal temperature and doors opening
- Ethernet switch as per SEC standard

Typical Application

ETR3 is designed for installation at bulk terminal entry to ensure following functions:

- Identification of drivers, vehicles and customers using RFID identification cards and biometric identification
- Drivers self-service handling at entry and at exit of the terminal
- Transaction data input by drivers
- Issuing instructions for drivers
- Printing of instruction tickets
- Audio and video communication with control room



PROFESSIONAL SOLUTIONS FOR OIL&GAS AND WATER INDUSTRY

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ETR3 function description

The **ETR3** is activated from idle mode by approaching of proximity card to the reader. Then, after putting the card into dual reader the display and other equipment are activated. Authorisation by PIN and palm vein reader is then required. If authorisation is correct the driver enters the user interface and he can perform the required operation, typically it is pre-loading administration. Then ticket with instructions for loading is printed.

After taking the card from the reader the terminal is automatically de-activated and unauthorised person is not able to perform any operation on the terminal.

In case of need the driver can contact control room operator by fixed audio device (IP phone). After pressing activation key the system dials pre-defined number. The camera is connected to LAN via IP server so the operator can check what happens at the terminal.

For functionality at low temperatures, the terminal is equipped with temperature monitoring and electrical heating. The monitoring device also sends alarm signal in case of opening front or back door or tempering the voice transfer system.

Biometric identification

The unique feature of the **ETR3** is biometric identification of the drives. It is provided by the PalmSecure – infrared reader of the vein system in the palm. This system has following advantages in comparison with other biometric identification:

- Highly unique identification – comparable to fingerprint
- Contactless – no risk of disease transfer
- Safety and security – no possibility of unauthorised misuse, no possibility of use of „dead“ hand
- Easy handling – palm vein pattern is not considered officially as „sensitive personal information“ which makes it relatively easy to handle.

Basic specifications

Power supply	230 VAC, 50Hz, max. 4A
Dimensions	1565 x 500 x 405 mm
Mass	60 kg
HMI	Touch panel 19“
Operating temperature	Indoor version: +5 to +35°C Outdoor version: consult factory
Card reader	ISO7816 Class A/B/C T=CL, MIFARE®, iCLASS®, ISO 14443A/B, iCLASS 15693, NFC Tag 1,2,4
Palm vein reader	ISO 14433A
Printers	Thermo printer 80mm wide Laser jet A4 b/w 38 p/min., 500 pages bin (indoor version only)

Projekt „Nová generace řídicího systému pro distribuci pohonných hmot“ je spolufinancován Evropskou unií.

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