

The OrTRs with keyboard has a dedicated keyboard. The full keyboard enables the user to operate the unit and insert the vehicle required data to be sent to the Station Controller.

The OrTR is based on two microcomputer subsystems: one for handling the secure communication protocol with the tag/card, and the other for communication with the station Controller and for controlling the operation of OrTR. It includes a single cable carrying power and RS485 communication and an optional cable for Ethernet link in the LAN version. For flexibility, the Tag Reader uses a standard communication protocol, and the displayed messages are controlled by the station Controller. The message contents and language can be selected by the system operator, and the microcomputer application software can be updated in the field.

A contactless card used as a fueling card by the driver at the gas station. When the card is presented next to the OrTR, it reads the card / tag data and transmits it to the station controller in the gas station. Upon verification and approval, the Station Controller activates and releases the pump valve, so fuel can be dispensed to the vehicle. Four types of tags are recognized:

- Driver's tag: used to identify a specific driver. Therefore, fuel dispensing is allowed only after the vehicle has been identified by means of its Vehicle Identification Unit (VIU).
- Vehicle's tag: used to authorize fuel dispensing and charging.
- Attendant's tag: permits operation of any fuel nozzle from the OrTR by a station attendant.
- Technician tag: used to setup OrTR RS-485 address