



Hardware-software complex

Filling station

Hardware-software complex "Filling station" - specialized software for working with filling station steles, remote monitoring and changing prices for filling station products.

Purpose of the device

It is a complex solution designed to change the processing of prices on gas station steles

Main functions:

- There is a mobile application;
- Changing and collecting data from the gas station steles at the customer's site;
- Visualization of readings from the Stella;
- Device Configuration;
- Remote software updates;
- Time synchronization;
- Launch Element Manager (Web-interface of data acquisition and transmission controller);
- Data export via API.

Hardware:

- 19" 1U enclosure;
- Power supply unit (2pcs):
 - Main (220 AC);
 - Backup (48 DC);
- CPU1: 8-core 64-bit ARM processor (4xCortex-A76 and 4xCortex-A55);
- 16GB DDR4;
- SSD drive: 256 GB (NVMe SSD drive into M.2 PCIe2.0 slot);
- HDMI - for monitor connection;
- Switch - 10/100/1000 (6 Ethernet ports).

Optional:

- LTE modem #1 (USB) - for wireless data transmission;

Software part:

- PostgreSQL - database;
- Network Server (if necessary) - installed and configured to work with devices operating via LoRaWan communication channel.

Number of supported devices

Up to 100 pcs.

Number of supported users

Up to 5.

Delivery set

Standard delivery set:

- Filling station hardware-software complex;
- AC 220 V power cable;
- DC 48 V power cable;
- Passport.

Additional to the standard delivery set (on request):

- Keyboard
- Mouse;
- Monitor;
- 19" rack for Filling station hardware-software complex.

Technical specifications

Name of characteristic	Value
Power Specifications	(85-265VAC) - main power input (36-72VDC) - redundant power input
Power consumption	max. 50 W
Processor	8-core 64-bit: 4 Cortex A76 cores and 4 Cortex A55 cores
Maximum frequency	2.4 GHz
RAM capacity	at least 8GB of LPDDR4/4x memory
Flash memory for bootloader	16 MB SPI
Primary SSD drive (M.2 PCIe2.0 slot)	256GB - SSD NVME NVME M.2 NETAC
Enclosure	metal 19" (482x250x44mm)
Service life	8 years
Switch	built-in 6-port managed 10/100/1000 Mbps
Monitor connection port	HDMI
USB port	2pcs
Watchdog timer	built-in
Operating system	Pre-installed Linux
IoT platform	Pre-installed Jcom-iot
DBMS	Pre-installed "PostgreSQL"

