

PTS-Master forecourt controller for petrol stations

PTS-Master is a petrol station forecourt controller and is intended to provide control over standard forecourt equipment of petrol stations, lead sales of fuel through fuel dispensers, register all data on operations in internal database, provide remote configuration, diagnostics and reports reception using a built-in WEB-server.

PTS-Master forecourt controller is intended as for autonomous application at petrol stations (without a POS system), so as for implementation into software of third-party POS-systems with a purpose for provision of control over petrol station forecourt equipment, thus allowing general purpose POS systems to make sales of petroleum and all required operations at petrol stations.

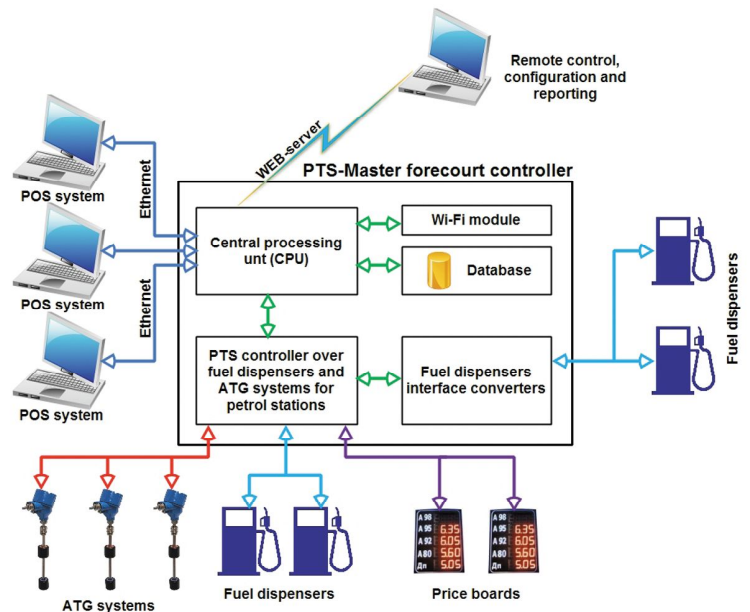
DEVELOPERS' API, SOURCE CODES AND EXAMPLES

PTS-Master forecourt controller for developers is supplied together with full API (application programming interfaces) for mostly used programming languages and operation platforms.

STRUCTURE

PTS-Master forecourt controller contains a CPU board, hard drive with database, PTS controller over fuel dispensers and ATG systems for petrol stations, interface converters for fuel dispensers, Wi-Fi module (in case if required) for connection with a remote small payment terminal. List of supported equipment can be expanded at request.

For configuration of PTS-Master forecourt controller a separate WEB-application is used. Access to it is gained through a standard WEB-browser. Configuration allows setting of necessary parameters of connected equipment as locally through Ethernet, so as remotely (from a company office). In addition control over fuel dispensers and reporting can be done using WEB-interface.



Software of PTS-Master forecourt controller contains MySQL database, which leads a table of petroleum products sales. PTS-Master forecourt controller allows the following possibilities for third-party POS systems:

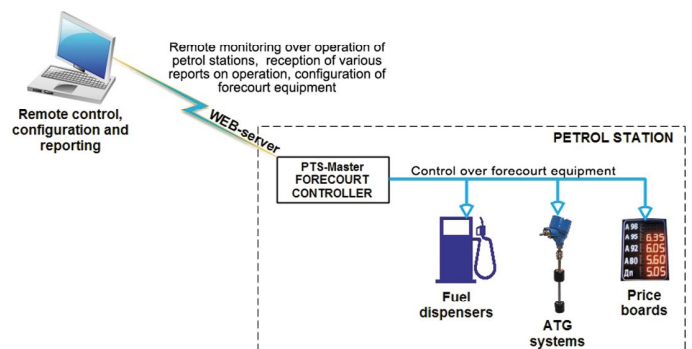
- provide dispensing of fuel through fuel dispenser;
- receive from a database content of sales table;
- register volume of fuel receptions into tanks of petrol station;
- receive current levels and volume of fuel in tanks (and additional measurement parameters);
- receive information from RFID-cards for realization of required loyalty policies in a POS system at sales of fuel;
- receive various reports on operation of a petrol station.

VARIANTS OF APPLICATION

Solution 1. Autonomous control system for petrol stations

There is no POS system installed at petrol station, but there is a necessity to receive reports on operation of fuel dispensers (reports on sales, dispensed fuel volume, detailed information on each transaction made with specification of data and time of each operation, etc). In this situations all fuel dispensers are to be connected to a PTS-Master forecourt controller, which will provide control over them. For usual customer fuel dispensers will be seen as working in manual mode, but at this information about each dispensing made will be stored in a database.

Owner of a petrol station can remotely monitor operation of petrol station, provide configuration of equipment and receive various reports on operation.

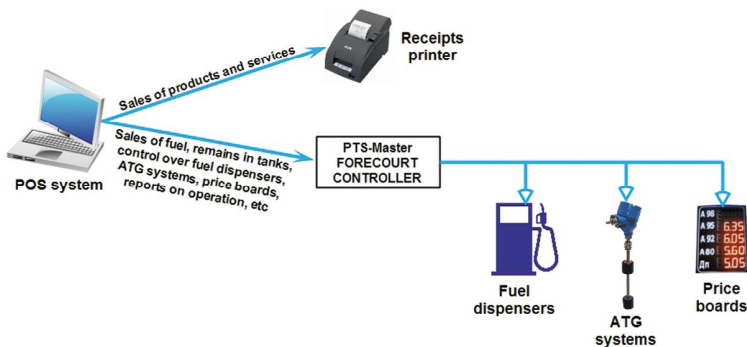


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VARIANTS OF APPLICATION

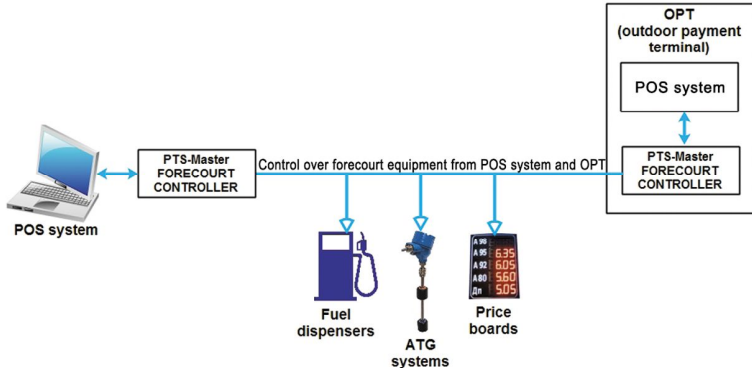
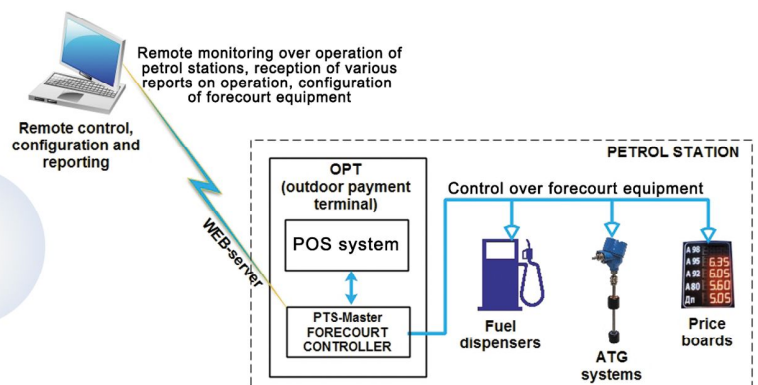


Solution 2. Application of general purpose POS systems for shops at petrol stations

Being connected to a PTS-Master forecourt controller general purpose POS systems can provide sales of fuel as in "units" from the stock without a necessity to know anything regarding operation with fuel dispensers or ATG systems. Thus very simply a general purpose POS system can become a powerful specialized POS system from petrol stations.

Solution 3. Autonomous OPT (outdoor payment terminal) for petrol stations

Being connected to a PTS-Master forecourt controller a general purpose OPT can become a powerful specialized OPT system from petrol stations.

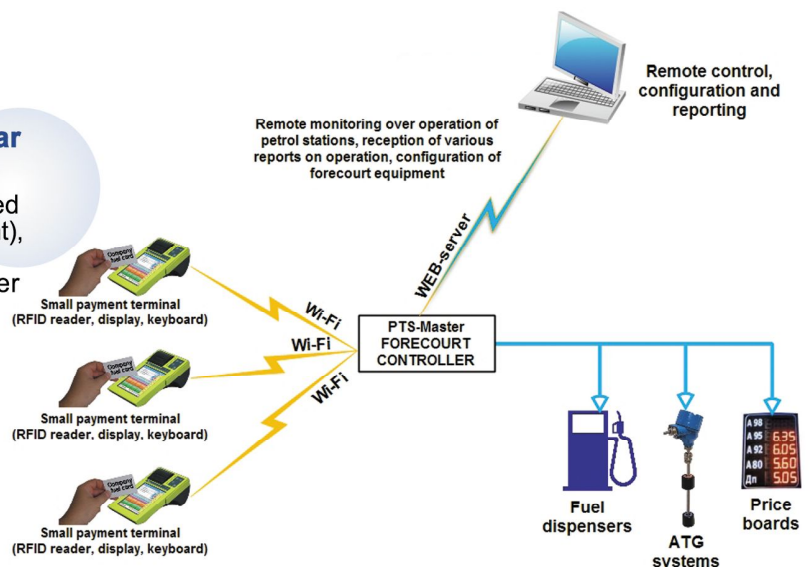


Solution 4. Operation of a POS system in parallel with OPT (outdoor payment terminal) at petrol stations

PTS-Master forecourt controller has a built-in feature, which allows in to unite into a network with other PTS-Master forecourt controllers, allowing to provide control over any fuel dispenser from any of the POS systems or OPTs.

Solution 5. Dispensing of fuel with payment near a fuel dispenser

In this solution a small payment terminal is to be installed near a fuel dispenser (or to be carried by the fuel attendant), which is able to read RFID cards and receive an order. Information about an order comes to the PTS-Master controller via a built-in Wi-Fi module.



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