Embedded operating system and software for self-service kiosks and digital signage

Self-service kiosks problems

- Expensive license for the operating system

- Requirement to buy an antivirus software

- Extended OS and software installation

- Manual setting of drivers devices

- Software different assembling application for issues sollutions

We have a full software package

Embedded OS FastSYS

OS operates on any flash-devices, has 5 degrees of crypto protection, with no one crash for 12 years. OS FastSYS reduces service expenses by half and increases the useful life of self-ordering kiosks due to stability and high level of automation.

Universal Software ALLVEND

Software ALLVEND allows to organize customer self-service in any existing market areas. Its flexibility and simplicity provides with the possibility to customize any self-service points to the business style in the shortest time.

Processing complex SkySend

Fault-tolerant cluster complex provides self-service systems with high speed and complete remote kiosks control. The average speed of requests processing is 1.3 seconds, the cluster pair of servers processes over 10,000 operations per second, quickly process customer orders.

Industries using complex software solution

Payment terminals

Self-ordering kiosk

Vending machines

Informational kiosks
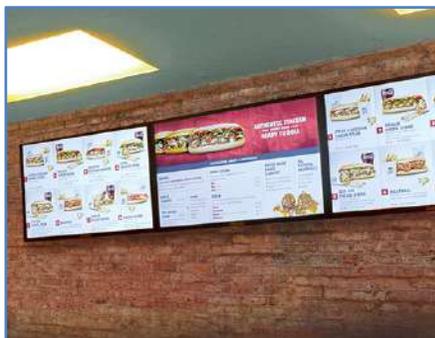
Multimedia boards
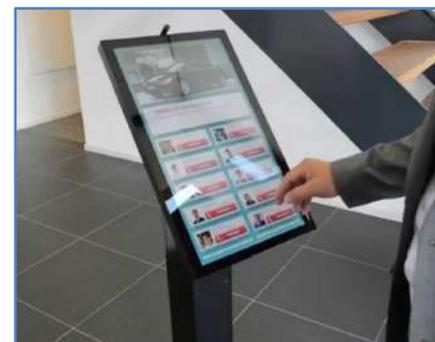
Reception kiosk

Payment of orders

Customers can pay for their orders, goods and services in the self-service terminals like in the ordinary cashboxes.

Self-service devices can take both cash and bank cards.

Customers order themselves

Customers will be able to make checkouts and pay for their orders themselves in the self-service devices.

An application function of product order will increase the speed of customer service, decrease the queues and also reduce the working load in commercial networks.

Informing and navigation

You can add the information about shops and offices, goods and services, discounts and bonuses, adresses, etc.to the kiosks. Thanks to informing function, the customers will be able to find necessary goods, to order services and to get the answers on concerned questions themselves.

The interactive kiosks application function of informing, permits to reduce the working load in the shops and offices and also to increase the customers confidence.

Advertising products

- Videos

- Banners

- Printing on receipts

Customer identification by fingerprint

Self-ordering kiosks provide customers with fingerprint authentication.

This function permits the customers to manage any claim, to order services, to make checkouts, to use stored discounts without any mobile phones or discount cards very quickly and safely.

New customer services

You can leave the additional services in the terminals, that permit customers to learn information about goods and bonuses of the outlets, to get the answers on concerned questions and to leave the review about quality service to the commercial network managers.

New services will improve the customers loyalty, service and products quality of Hesburger restaurant chain.

Automatic device installation

To start the self-service devices it is unnecessary to set operating system and the device drivers. Just set the flash storage device into the kiosk, that contains already everything for the software operation.

After the flash storage device setting, the software automatically finds and sets all the terminal systems.

Thanks to the universal software application, it takes not more than 15 minutes to set the device.

The manufacture outlay reduction

The universal software works from any flash storage device, the operating temperature of which is from -40°C to +60°C, that's why there's no need to set the expensive hard drivers, the heating and cooling system.

Thanks to the applicated technology, the programme complex can't be attacked with harmful software, that's why there's no need to buy antivirus programmes to protect the devices.

The application complex of universal software helps to reduce the prime cost production of the self-service devices significantly.

Our technologies are stable and saving time

Windows
Linux
FastSYS

Stable operation time

Support expenses
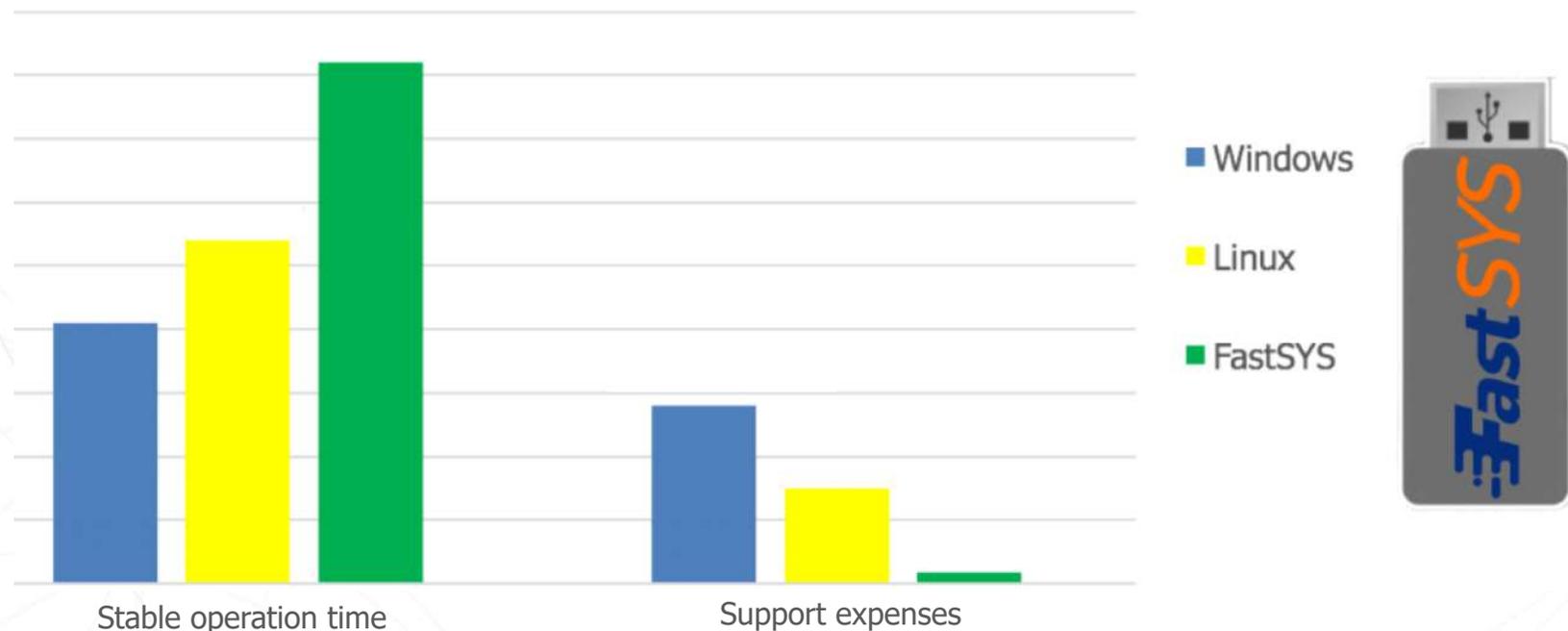
The software solution for self-service kiosks runs under the control of the embedded OS FastSYS that contains a wide range of automation for stably operation with no crashing or hanging (automatic elimination of errors in the Internet connection, bill acceptor, printer, automatic debugging of software, etc.)

Online cabinet for management and statistics

Icon	Feature	Icon	Feature
☑	Turnover control	⇅	Logs examination
🖥	Kiosks management	$	Payments monitoring
📹	Kiosks monitoring	✒	Interface management
📈	Financial reports	🪧	Advertising Management

Kiosks software settings and setups are made within personal online cabinet.

Any changes in settings and functions of self-ordering kiosks are updated within a few minutes with no need of physical kiosks configuration due to the function of remote control. The cabinet also provides with full self-service kiosks monitoring increasing the control convenience.

We offer a turnkey solution

- Development of individual solution
- Supply of equipment
- Provision of Software
- Setup and start-up
- Support

Extract from portfolio

System of payments
SKYSEND

Government Services of
Russian Federation

System of payments
SAZ HYZMAT

Penitentiary Service of
Russian Federation

Military commissariats
of Russian Federation

National Russian
Post

Comparison of solutions

Point	Standard solutions	Our solution
Embedded operation System	✘	✔
Automotive device recovery at OS level	✘	✔
Monitoring of devices operation in personal cabinet	✔	✔
Device health analysis in the personal cabinet	✘	✔
Advertising platform	✘	✔
Products ordering function	✔	✔
Change of design and functionality without release of updates	✘	✔
Payment function	✔	✔
Information kiosk mode	✔	✔
Payment with credit card	✔	✔
Binary software updates	✘	✔
Data encryption (5 levels of crypto protection)	✘	✔
Immunity from viruses	✘	✔
Operation on flash-device (from 256 Mb)	✘	✔
Drive check system	✘	✔
Full remote kiosks control from the cabinet	✘	✔

Our Company Group

Inform-Systems Group is a modern, dynamic company engaged in technologies and innovation creation. Priority activities are UNIX systems developments, automated and financial systems, embedded and biometric solutions. Our technologies make everyday life easy and comfortable, they are used in more than 6,000 self-service kiosks all over the world since 2006. Reputation is the most important value for us!

Our projects:

Embedded
OS FastSYS

Telemedicine system
My Doctor

System of
payments SkySend

Fingerprint Payment
System

Universal Software
ALLVEND

Universal self-service
kiosks Beauty

Our team

OLGA DELYAEVA
Head of External Communication Department

Organizes the development of activities of the Group of Companies, partner relations in Russia and abroad. Introduces and promotes technological projects of the company.
Personal qualities: he has the ability to convince, seek compromises and make decisions in unusual situations.
Skills: negotiation, active / direct sales, drafting of commercial proposals, preparation of presentations, project management, analytical mindset, decision-making skills, conflict resolution, knowledge of MS Office, 1C: Accounting, Adobe Photoshop, MS PowerPoint
Projects: "Terminal network 0%"; the module of the order of goods SkyMarket on terminals of system SkySend; "Complex advertising platform SkySend"; launch of payment in the territory of the Republic of Crimea.
Hobbies: snowboarding, roller sports and drawing.

NATALIA LIFANOVA
Head of Legal Control Department

Provides full legal support of all spheres, projects and stages of activity of the Group enterprises.
Personal qualities: possesses determination, organization, purposefulness, increased capacity for work, by nature a perfectionist.
Skills: knowledge of the current legislation of the Russian Federation civil, labor, financial, administrative law, MS Office.
Projects: "Payment service" Online - Purse Finger "(legal and organizational part); program module "Company Statistics System".
Hobbies: street-riding and traveling.

ALEKSEI IGNATEV
Chairman of the Board of Directors, founder of Inform-Systems Group

Founder and CEO of the company.
He successfully leads the Group for more than 12 years.
Personal qualities: has a focus on results, the ability to manage people, seek compromises and make decisions.
Projects: FastPay payment terminal; the module of the order of goods SkyMarket on terminals of system SkySend; "Complex advertising platform SkySend"; the project "Terminal network 0%"; "Finger online payment service", "Organization of payment acceptance in the Republic of Turkmenistan", launch of payments in the territory of the Republic of Crimea, software module "Company Statistics System".
Hobbies: snowboarding, running, fitness, skydiving, yoga, horse riding and traveling.

IGOR STARODUB
Head of System Development Department
Founder of Inform-Systems Group

One of the best experts in Russia on the development of technically complex software. In the enterprises of the Group, he manages the development and implementation of the Group's software products, technical support for the implementation of the group's development directions, the priority areas of which are developments in the field of UNIX systems.
Personal qualities: has perseverance, increased efficiency, knows how to see the details.
Skills: Unix API, C / C ++, QT, PHP, Perl, JavaScript, CSS, HTML, Qracle, MSSQL, MySQL, PostgreSQL, json, xm7, CryptoPro, GnuPG etc.
Projects: "Multi-service payment system SkySend", processing complex "SkyTransact"; "Organization of payment acceptance in the Republic of Turkmenistan" (technical part); "Payment service" Online - Purse Finger "(technical part); the module of the order of goods SkyMarket (technical part).
Hobbies: snowboarding, biking and traveling.

ANNA STEPINA
Head of Accounting Department
Founder of Inform-Systems Group

A high-skilled specialist in taxation and accounting, organizes financial planning and economic activities of the Group's enterprises. He successfully manages the financial department by organizing accounting according to Russian standards.
Personal qualities: has an analytical mind, high efficiency, scrupulousness.
Skills: conducting internal audit of the company, making calculations, opening bank accounts, knowledge of legislation on accounting, labor legislation, taxation, MS Office, 1C: Accounting, PC Bank-client.
Projects: "Payment service" Online - Purse Finger "(financial part);
Hobbies: cinema and travel.

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