

VAiOS

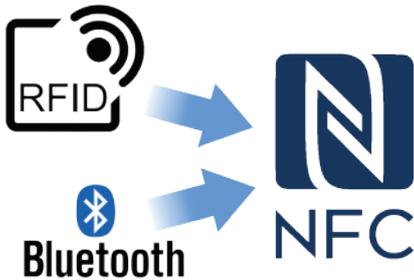


VAiOS NFC

Smartphone control system



What is NFC technology?

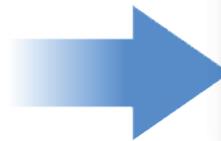


NFC, an acronym for Near-Field Communication, is a technology that evolves from RFID (Radio-Frequency Identification) technology. Today, it is entering massively because of the amenities and facilities it offers. In short translation means "close-field communication". This is also the only condition for the system to work - the maximum distance between devices is 4 cm. The connection is made automatically, which is an improvement over bluetooth technology, which required finding and pairing of devices.

Where did we find the NFC application in our products?

We at VAIOS believe and work in the future. In other words, we try our best to develop the products we offer and keep them up-to-date and looking at trends. That is why we are focusing on product development with NFC technology.

NFC technology, already popular as a replacement for traditional wallet and digital cash payments, has a much wider application. In VAIOS systems, it is a very convenient solution in access control systems. In turn, access control and associated software are at the heart of most building automations.



NFC technology also enables payment. Thus, by integrating the VAIOS system, you can make it easier for your customers to pay for **parking, hotel services, fitness and SPA procedures, paying for restaurant consumption and other VAIOS automated systems.**

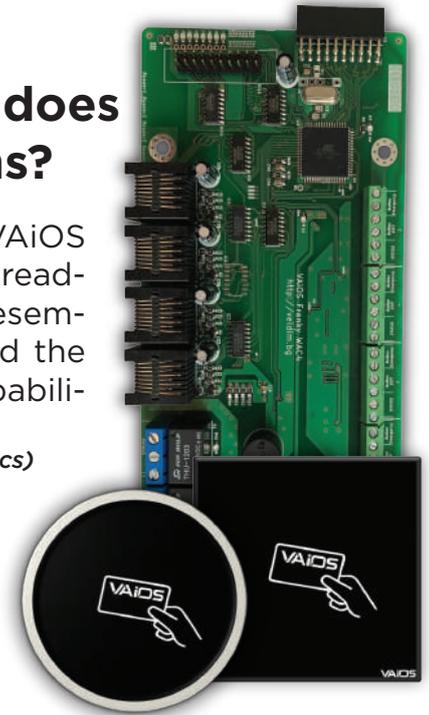


WNFC4 controller, NFC readers and how does NFC technology work in VAiOS systems?

To add to the management of our systems NFC technology in VAiOS we have developed new controller models (VAiOS WNFC4) and readers (VAiOS V20). This controller and reader hardware closely resembles the known developments: the VAiOS WAC4 controller and the VAiOS V15 reader. The new models have all the features and capabilities familiar with the old models.:

(take a look on VAiOS WAC4 and VAiOS V15 brochure and technical characteristics)

- ✓ Manage door readers, windows and more;
- ✓ Controlling programmable inputs for automation;
- ✓ Security in communication:
 - LAN hardware and
 - software via SSL communication.



Your smartphone instead of the key

RFID cards are a convenience because of the ability to replace heavy keys with a single card or chip that opens everything we have access to. This convenience comes with the security and easy deactivation of the card, if lost, through VAiOS web-based software that can be easily managed via smartphone, tablet or computer.



By incorporating NFC technology into our new products to the listed capabilities and amenities, we added one more thing: **we eliminated the need for an additional key, chip, card, bracelet.**

An increasing number of smartphones now have NFC technology installed on the operating system. At the same time, there are dozens of applications for the use of NFC communication technology. This way you can now unlock via smartphone by simply bringing the device closer to your VAiOS V20 reader.

How it works?

On your smartphone, you add a unique code that represents your "key" - an access code that is always recognized by the system every time you open your door. The principle is identical to RFID unlocking but more convenient.

Security

Of course, security is a priority when it comes to property protection. The principle here is the same as with the RFID model, and when you lose your smartphone, you can immediately block or restrict the access code installed on your device through personal access to the software.



Advance reservations without delay at reception

NFC technology on VAIOS systems provides another feature that is not neglected at all. This is an access code that you receive via e-mail, sms or other means and can be entered into your smartphone.

Here is an example that presents this convenience.

There is hardly anyone in the modern world who has never encountered the inconvenience of waiting for a hotel reception for his vacation. Even with the most accomplished and expeditious teams of receptionists, piccolo, maids, etc. encounters difficulties with large groups of holidaymakers, who pour in at once. This is where VAIOS systems with NFC technology help a lot.



With VAIOS systems equipped with NFC technology, hoteliers provide access codes to their guests on the day of booking. **Future visitors to the hotel will receive an email or sms with their access code, which can install the NFC application on their smartphone the same day.**

Thus, upon arrival at the hotel, guests will now have access to the rooms they have booked and will not have to wait at the reception. They will be able to earn more time for their vacation, and staff relieved by the commitment to accommodation will be able to pay more attention to the more comfortable stay of guests.

Limited access for the period of stay

Even pre-installed, the hotel room access code has a programmed reservation period. In other words, if someone tries to use the NFC access code outside this period, the code will be invalid. This is another convenience for hoteliers and their staff because they will not think about the keys stolen from visitors.

At the same time, the NFC access code can be extended as an activity period if the guest extends his/her stay.

Upon departure, the guest has all the payment options provided by VAIOS automation systems, including the VAIOS Hotel System.

