

Veldim All in One Solution
VAiOS



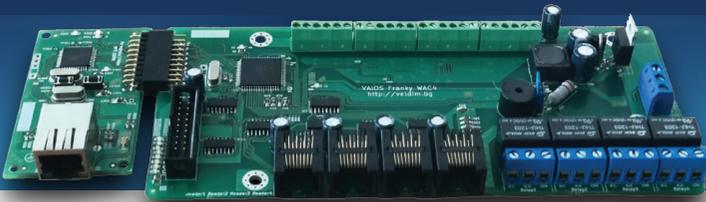
VAIOS WAC4

MULTIFUNCTIONAL CONTROLLER

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VAIOS WAC4 /
Multifunctional Controller



A dream came true

When we started the VAIOS production, we started with dreams. One of them was to give people a multifunctional controller that is applicable in different areas of automation. VAIOS WAC4 made this dream come true. The development allows control over the VAIOS VAIOS MSC (Major Smart Controller), but also installation of direct management with the web-based software via the LAN module.

The range of different objects where VAIOS WAC4 performs a variety of activities in automation processes show the wide range the controller uses.



We at VAIOS believe that within the current generation, along with the development of technology, building automation, the smart home, smart house, smart office will be a convenience that will become a necessity for any family or business.

Smart Control - New Generation Management



Until now popularly used are systems with local governing access control and time attendance. They are a good solution for a private case and suitable for smaller businesses. Problems encountered there are in system maintenance because a physical visit to the site to resolve a problem is required. This in turn leads to higher financial requirements for maintenance.

Knowing these issues, we at VAIOS sought their solution. This is how we created a web-based smart access control and time attendance system. The system works with both a local server and a Cloud (web-) based server. This gives flexibility when implementing different projects with different requirements. We can design and manufacture individual access control and time attendance controllers to suit your needs.



What is the VAIOS WAC4 a multifunctional controller?

VAiOS WAC4 is a high-end controller with web-enabled capability. Modern design and capabilities make this product a leader in its segment. Web-communication makes it possible to get in touch with the system from anywhere with internet access. The ability to run web-based software independently (without the VAIOS MSC) makes it even more usable, and security is provided by SSL communication (used in banking software as an example), which makes it top-level.

The controller can control 4 relays (4 VAIOS readers or the products in the series). It also has 4 inputs monitor the status or management of alarm sensors. In combination with the software, the automation capabilities through the VAIOS WAC4 controller become practically unlimited.

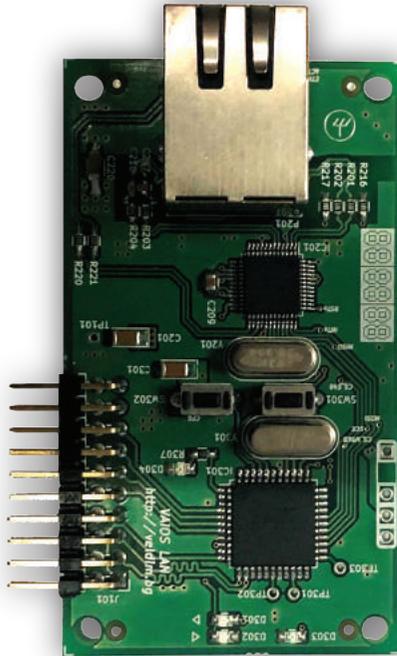
VAiOS WAC4 may be as a controller for access control and time attendance, and also activates and deactivates other devices controlled by a relay, such as water pipes for the automated control of the showers. This technology was applied to our sites in Bulgaria (when building the first Smart Fitness in Bulgaria) and abroad (in Brussels for the implementation of an automated shower system for a reputable transport company).

With its 4 status inputs, VAIOS WAC4 can automate and turn into smart versions both alarm systems and other security systems such as fire detection, fire extinguishing, irrigation, and more.





Individual work and communication via LAN module



VAiOS WAC4 has the ability to add a LAN module. Through it, the system can be monitored and controlled via a web-based platform, accessed from anywhere with the Internet. A second advantage is that the LAN system can be upgraded with an unlimited number of controllers and expanded as needed. If required or as desired by the customer, the LAN module can be installed as standard or at an angle of 90 °.

Through the LAN module and web-based software, it is possible to expand the scale of automation not only on the modern level but also on what the customer has as a preference, according to their imagination.

Upgrading with Extender

The build-up of volume but standard-structure systems requires more than 4 relays and inputs to monitor the status of units in the systems.

The VAiOS WAC4 controller has the option of adding expansion modules (VAiOS R8). This increases the parameters that control the controller to 68 relays in the line of a single VAiOS WAC4, i.e. up to 8 VAiOS R8 modules.

At the same time, the expansion module has 8 additional terminals that can monitor unit status (emergency buttons, exit buttons, etc.) or programmed to control alarm sensors. With the possible 8 additional modules in the line of a VAiOS WAC4 controller, the capacity reaches up to +64 status traces or alarm sensors management.

