

WiFiLab: The smart cloud platform by Citymesh

WiFiLab is the cloud platform from Citymesh that offers schools and educational institutions powerful and flexible WiFi management. The platform not only ensures a stable and secure network but also provides insights into usage, remote management capabilities, and legal data retention.

Why Choose WiFiLab?

User-friendly access for students and staff

With WiFiLab, schools can easily set up a personalized login portal tailored to their brand. Students and staff can log in using existing systems such as school accounts (Active Directory or other identity providers). After logging in, users can be directly redirected to an educational platform, the school website, or another relevant page.

Moreover, WiFiLab supports **Single Sign-On (SSO)**, allowing the network to be easily integrated with Smartschool, **Microsoft 365, Google, Active Directory, and other systems**. This ensures a secure and efficient connection, while the school retains full control over access rights. When a student is no longer enrolled, their linked account (e.g., Smartschool) is automatically deactivated, preventing further access to the WiFi network.

Insight into network usage and optimization

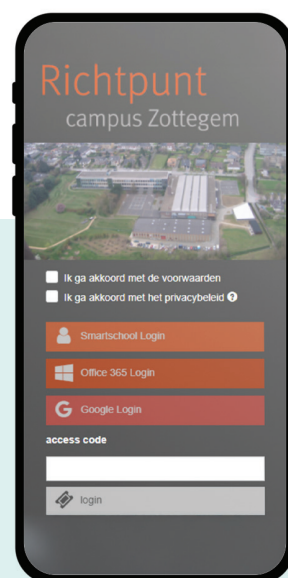
Want to learn more about internet usage at school? With WiFiLab, you get a clear overview of network traffic. WiFi Analytics provides ICT coordinators with insights into:

- Which access points are used the most
- In which rooms internet usage is highest
- How long and how often students are online
- Which login methods are used
- When peak usage occurs

By visualizing this data in an intuitive dashboard, the IT department can optimize and expand the WiFi network based on concrete usage data. This helps with future upgrades and ensures the network continues to function optimally.

With WiFiLab, educational institutions get a powerful and user-friendly platform that not only optimizes connectivity but also ensures a safe and controlled learning environment

Example portal page
Richtpunt Campus Zottegem



Secure and controlled network environment

WiFiLab allows schools to manage internet access based on usage rules. The network can be configured to assign different rights for students and staff, for example, by using separate VLANs for students, staff, and guest users. Additionally, the platform can set restrictions on download speed, session duration, and allowed websites, ensuring that the focus remains on educational use.

For temporary users, such as external speakers or visitors, WiFiLab offers a **voucher system**. The administration or IT department can easily **generate temporary WiFi codes** via an intuitive interface. The duration of the code can be set using a drop-down menu. Users connect to a specific SSID and enter their code on a portal page. This solution provides secure, temporary internet access without granting access to internal servers or printers. Alternative solutions are available for more extensive network access.

Legal data retention and privacy

Schools have a responsibility to maintain a safe digital learning environment. WiFiLab complies with GDPR legislation and ensures that network activity is stored in a legally compliant manner. Should an official request be made, only authorized personnel from Citymesh can access the requested data. The data retention period is one year, as stipulated by the BIPT and GDPR.