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Cybersecurity for Schools - **Whitepaper**

# Cybersecurity for Schools
## Fast and functional implementation with Endian products

**Endian is working alongside vendors and system integrators to offer Public Entities and School Cybersecurity solutions**

## Adapting Schools to New Regulations

**The situation of schools in the implementation of new School regulations will not only affect teaching, students and academic workflows: institutions will also be required to make structural adjustments. Endian's agile and secure solutions make it possible to offer an efficient and cost-effective response to these needs. In addition, schools are often bound to multi-year purchasing cycles. Endian has created a business proposal specifically for schools and educational institutions that can adapt to the required billing cycle.**

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# Comprehensive and quick protection

### Guaranteed protection, minimal interventions

Among the strengths of Endian solutions is undoubtedly management agility. First of all, because the system is designed to fit easily into any network, and then because management can be done indifferently, for example, locally, from a remote location, via a browser interface or through a command line.

### Segmented and regulated access by users and categories

Access filters within Endian OS can be set based on user privileges and other rules based on individual devices are also available. This means, for example, that employees and facility associates can have full (or as broad as they like) access to all network resources and complete freedom to browse, while students can have no access to network resources and a strong filter for browsing. Segmented management by users is compatible with Windows Active Directory: no need to create new users or groups and it is possible to use those already defined.
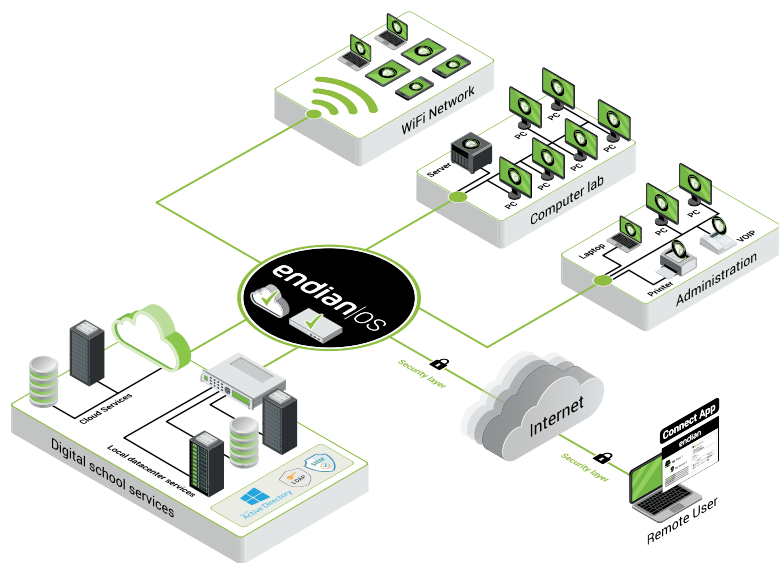
### Content filtering

Content filtering is a vital tool for schools, allowing them to establish the perimeters of safe browsing, blocking potentially harmful sites through a series of constantly updated thematic lists. Creation of policy collaboration with user or device groups provides the flexibility to control computer labs, offices, and personal devices. Similarly, application control allows for similar blocking and control, but based on applications, e.g., social media or video games.

## GDPR Compliance with Endian Security Gateways

In the era of data-driven businesses, the General Data Protection Regulation (GDPR) emphasizes the protection and privacy of individual personal data within the European Union. Endian Security Gateways are at the forefront, providing solutions that ensure businesses are not just compliant but also resilient against data breaches and intrusions.

# Advanced and custom configuration

### Network segmentation

The network awareness analysis tool allows the mapping of all the devices in the school or institution's local area network. This mapping allows you to quickly deploy a network segmentation, to more effectively isolate the resources that should not be in contact, for example, classroom computers and administrative employees' computers.

### Requires no structural intervention

All Endian solutions act at the networking level, so there is no need for major plant-level intervention. Simply connect and wire them within the perimeter (ideally immediately downstream of the routers for Internet access) to set up effective protection. In short, you only need to have space inside a rack cabinet or next to the router to be able to do the installation and configuration.

### Little technical input after initial configuration

Endian solutions for schools are designed to require minimal technical input after the configuration phase: in principle, once they are installed and verified to be working, technical intervention will only be required to fulfill specific policy requirements. Endian offers a system that "simply works," without headaches.

### Supply package + support: an all inclusive solution

Endian has set up a dedicated channel to support partners wishing to supply schools and institutes. Thanks to a flexible offer, it is possible to create defined contracts that cover with support and maintenance the exact duration of the cycling or billing required by the school or customer institution.

## A practical and scalable solution

EndianOS provides organizations with the ideal foundation for a secure, simple and sustainable digital transformation. The operating systems enables scaling for larger and complex network installations with support for (virtually) unlimited internal network zones. Users can easily add networks on demand and increase their security by integrating advanced network security features. With the support for edge computing with Docker users have also the opportunity to rund applications and services at the network edge.

## Solutions for all needs

Endian's choice of products and services makes it possible to meet most of the needs that may arise within adaptations to School regulations with regard to aspects of securing connectivity and controlling user access and navigation, with the aim of building a structural foundation on which to base internal and external security management.

## Endian OS 6 also for virtual environments

Endian OS 6 is also available as a license for virtual environments, to meet the needs of customers who need to include the expense among services.

## Perimeter and device protection

Thanks to the advanced management tools, Endian solutions can also be used to protect devices from eventual security incidents.

## Protection from internal intrusions

With the same external and internal monitoring logic, Endian makes it possible to secure the network from internal intrusions, particularly risky in a context such as the school environment where it is not always possible to be certain of the operations performed by certain categories of users.

# Endian UTM Network Security Solutions

Endian security appliances are complete and easy to use products. No additional modules are required to provide maximum protection for your network. Endian Gateways are available on hardware, software and virtual platforms.

### Endian UTM Hardware

A complete range of specifically designed appliances integrating our UTM software for the security needs of everyone, from branch offices to medium and large networks.

### Endian UTM Virtual

Protect your virtual networks and infra-structure in seconds. Support for all the leading hypervisor-based virtualization platforms (VMware, Xen/XenServer/KVM).

### Endian UTM Software

Turn your favorite or existing hardware into a full-featured Endian UTM appliance. Scale your hardware resources up or down to suite your business network needs.