

LANCOM Reference Projects

Wireless LAN in the “digital” classroom



Customer

The Heilig-Geist-Gymnasium is a secondary school in Wuersele, near Aachen, Germany. The special educational program of the school is based on a modern interpretation of Christian humanism.

It prepares them for a successful life and offers a solid basis of values. Lessons for Year 9 classes are supported with tablets with mobile access to the Internet and school servers.

Concept / Requirements

- Access to the Internet and school servers from tablets
- Centralized management and high levels of security and reliability
- Easy separation of teacher and pupil Wireless LANs

Solution

- Implementation of controller-based wireless networks in classrooms and staff rooms
- Professional WLAN components with the latest security and management features
- Separation of student and teacher Wireless LANs by VLAN and multi-SSID

Benefits

- Time savings through central management of the entire wireless network by WLAN controller
- Cost savings: A network infrastructure can be used by multiple user groups and applications
- Future-proof network (an operating system & management tools that unite all components) is easy to expand



Infrastructure

9 x access points,
LANCOM
L-452agn
dual Wireless

1 x WLAN controller,
LANCOM
WLC-4025+



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Systems