LANCOM Reference Projects
Wireless LAN in the “digital“ classroom

Customer
The Heilig-Geist-Gymnasium is a secondary school in Wuerzelen, 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+