

LANCOM Reference Projects

Wireless LAN in Schools



Client/Project

The higher academy and vocational school for business in Haag is a modern school that provides teaching in several core areas. Subjects include human ecology, media technology, design and Spanish as a third foreign language.

Students use their own netbooks to dial into the school's wireless network. From there they can access the user applications running on the central server, or research on the Internet.

Idea / Requirements

- **Educational network via wireless LAN** for up to 400 students
- Students use their **own netbooks in their various classes**
- High-speed WLAN access everywhere on the school grounds

Solution

- Dual-radio access points supporting 802.11n WLAN for **network load distribution over 2.4-GHz and 5-GHz WLAN clouds**
- **Open WLAN with user authentication** by RADIUS server
- Easy **configuration of the access points from a central WLAN controller**
- Provision of various **applications via terminal server**

Advantages

- Uncomplicated **Internet access via wireless LAN**
- **Improved design and structure of lessons** due to Internet and software support
- Investment protection with constantly updated LCOS firmware



Infrastructure

8 x indoor access points
LANCOM L-322agn
Dual Wireless
1 x WLAN Controller
LANCOM WLC-4006
with
LANCOM WLC-12
Option

