LANCOM Reference Projects
Wireless LAN in Schools

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

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.