

# LANCOM Reference Projects

## Mobile Internet in luxury tour buses



### Customer

The family company **Wintereder Touristik GmbH** founded in 1956 in Vöcklabruck, Germany, was taken over by Stern & Hafferl Holding in August, 2006. It operates a fleet of 40 vehicles. Each year the fleet travels over three million kilometers while transporting around 700,000 passengers on their bus lines, school buses and coach services. With the new double-decker bus Setra S 431 DT, the company is improving its levels of luxury and comfort.

### Idea / Requirements

- To operate the bus as a conference, seminar or travel bus with **access to modern entertainment and communications media**
- Television, music, telephony and **WLAN-based Internet access** should offer passengers even greater comfort and convenience

### Solution

- Connect the bus to the Internet via **UMTS** and the data transfer protocols **HSDPA and HSUPA**
- **In-vehicle network access via wireless LAN**
- Passengers are given their **access data** at the start of the journey and enjoy access to the Internet throughout the journey

### Advantages

- **No lost time, no charges** for business travelers: Internet access is available on the bus
- Constantly **up-to-date hardware** thanks to free LCOS updates
- Flexible adaptation of the router to future mobile telephony standards
- Future potential to **improve the WLAN connection**, for example to allow the driver to communicate directly with the main office, or for billing purposes



### Infrastructure

1 x UMTS/WLAN router LANCOM 3850 UMTS

**stern reisen**  
**wintereder**