

General Information:

Application Opportunity: Provide a fast Internet connection for a school outside the ADSL footprint

Solution: Utilise 3G wireless Internet connection

Benefits:

- Provides an effective connection for a group of PCs
- Simple to set up
- Access can be controlled

Hardware: 3G9W – 3G Wi-Fi Router with 4 Ethernet ports



School



3G Tower



As the need for schools to be connected to the broadband network grows, those institutions outside the ADSL footprint are placed at a serious disadvantage. Whether access is for computers in classrooms or libraries, the logistics of providing a connection in locations where ADSL is unavailable (or is marginal) can be an expensive proposition, even if it can happen at all.

The use of a 3G wireless network is the best solution in such cases. With mobility and coverage not as affected by fixed routes and exchange infrastructure, schools in rural and outlying urban areas can capitalise on the power of wireless 3G broadband.

By using an advanced 3G Wi-Fi router such as the NetComm 3G9W, a school could establish its own wireless local area network within a classroom or a central hub such as a library. This would enable a group of computers – both fixed desktops and wireless notebooks to be provided with an Internet connection at an acceptable data rate. As the speed of 3G networks increases in the near future, these connections will become equivalent to the performance of wired ADSL connections.

Furthermore, the parent control feature built into the 3G9W 3G gateway means that schools can set limits on the usage of the connection. Access can be blocked for certain times and/or days of the week, preventing abuse outside of school hours or when supervision is not present.

Any school these days that is not offering the best possible Internet access will find its reputation suffering, even if this lack of connectivity is solely due to location. However, by harnessing the power of advanced mobile broadband networks, a school's students will be connected to the world in the same manner as their peers elsewhere.