

Internet to Schools & Communities

Internet is the gateway to the future of the children around the world and especially in remote areas. Governments and international organizations, such as One Laptop per Child (OLPC), are working to provide Internet access to schools and communities in these areas. In the absence of wire-line infrastructure, Wi-Fi networks have become a prevalent choice for these projects.



Netronics Internet to schools solution has been proven to be effective in terms of performance and cost. The solution is based on Netronics NetPoint Pro Wi-Fi base stations, which utilize Netronics unique beamforming technology. A single NetPoint Pro base station is able to provide access not only to the school itself but also to the pupils at their home and the entire surrounding community.

The NetPoint Pro provides a self-backhaul functionality, which makes it extremely easy to install. Extended coverage to additional villages and communities can be achieved simply by installing an additional unit. The beamforming technology assure that no cumbersome alignments are required as part of the installation process.

Key Benefits

- NetPoint Pro indoor penetration, ensures that residences throughout the community, as well as the school can be effectively accessed
- Low cost of ownership for infrastructure deployment as well as maintenance
- Supporting long-hauls multiple point to point links of up to 20 Km' per CPE with the same NetPoint Pro base station

The NetPoint Pro requires very low power consumption, typically less than 35Watt.

This allows the unit to be installed with a solar or a battery powering unit, thus making it a viable solution in remote locations with no direct power lines.

