

Smart Grid

What is the Smart Grid? An electrical grid is a network of technologies that delivers electricity from power plants to consumers in their homes and offices. A smarter grid is different in a few important ways. First, it uses information technologies to improve how electricity travels from power plants to consumers. Second, it allows those consumers to interact with the grid. Third, it integrates new and improved technologies into the operation of the grid. A smarter grid will enable many benefits, including improved response to power demand, more intelligent management of outages, better integration of renewable forms of energy, and the storage of electricity.

Applications:

- Data collection (gas, power, water meters, etc)
- Event management

Challenge:

- Connectivity in hard to reach locations
- Connection reliability

Solution:

AvaLAN wireless links enable you to build, point-to-point and point-to-multipoint wireless Ethernet connections that connect "fringe" IP devices. Of particular importance to video surveillance applications, AvaLAN connections provide continuous data streaming and increased protection from interference. AvaLAN's products offer the ideal combination of price, range, data rate, security, interference avoidance, quality-of-service, and a simple plug and play set up with minimal user programming required. The radios include a built-in web browser interface for remote configuration, status monitoring and firmware update. This interface also provides a spectrum analyser to help diagnose interference issues.



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