

PLC network. Data in transit between the Telkonet iBridge and the Telkonet Gateway is encrypted with 56-bit Data Encryption Standard (DES).

For government applications, Telkonet's system implements 256-bit Advanced Encryption Standard (AES) for enhanced security of data communication over the PLC network. The combination of AES encryption, FIPS 140-2 compliance, and network configuration management provided by the Telkonet Gateway, guarantees security equivalent or better than traditional CAT 5 and is a substantial improvement over the wireless standards (802.11b and g) currently available on the market.

How does the system handle interference on power circuits?

Telkonet's iWire System implements orthogonal frequency division multiplexing (OFDM) over an available spectrum of 76 channels. The channels are constantly monitored for noise and interference that may disrupt data transmission. When interference is detected, Telkonet's system adapts to the changing conditions to ensure continuous operation.

Does Telkonet's iWire System support Virtual Private Networks (VPNs)?

Yes. The Telkonet system simply provides the transport mechanism for VPNs.

Does Telkonet's iWire System operate on open standards?

Yes. Telkonet's iWire System adheres to open standards for Ethernet communication.

Does the Telkonet system meet any industry standards for quality?

Yes. The Telkonet iWire System is UL60950 listed, FCC Part 15 compliant, CE approved and is certified to FIPS 140-2 standards. In addition, Telkonet's iWire System is the subject of an ongoing certification program around the world.

Can Telkonet's system be extended using wireless technology?

Yes. A wireless system can be used to network a multi-building environment with the use of Telkonet eXtenders. The Telkonet iBridge can also be used to provide wireless access to end users via a WAP.

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