Abstract

This paper basically compares various wireless networking technologies which can be used for industrial automation and sensing. Among all these technologies, special emphasis is given on Zigbee. Zigbee is a technology known for its low power consumption, low data rates, and self-healing reliable networks, which makes it very efficient for industrial applications. The layer by layer protocol stack architecture of Zigbee illustrates these advantageous features. Zigbee is used for automation and networking purposes in manufacturing and pharmaceutical plants, for monitoring purposes in chemical plants. In this paper, such features and applications of Zigbee are explained with concentration on the networking aspect.

References

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Index Terms

Computer Science

Wireless

Keywords

Automation Sensing Zigbee Networking Protocol Stack Applications Industry