Abstract

ZigBee is the most powerful standard for wireless sensor network. Pre-emptive Distributed Address Assignment (PDAA) Mechanism used to improves Zig-Bee address assignment and PDAA Mechanism Presents an auto-routing mechanism which doesn’t store any information into routing table. There are two types of devices such as router and end device. But in ZigBee & PDAA mechanism has a problem that there is parent & child relationship i.e. packet follow Tree topology to forward the packet from source to destination and second problem is address reuse mechanism. So, This Paper Proposes a Hybrid routing scheme to reduce the routing cost by using the neighbor table that is originally defined in the ZigBee standard and Provide address reuse facility. In ZigBee and PDAA mechanism address reuse facility is a main issue so by using AODV routing protocol is used to provide address reuse facility.

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Index Terms

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Keywords

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