

Airbee-ZNS Lite Version TI1.00

Feature Matrix



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Revision History

Revision	Version & Date	Description
1.0	08 Aug, 2005	Initial Release



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1 Introduction

The purpose of this document is to compare the features of 4-node sample demo application and the features that will be available on Lite-production modules versus the ZigBee full stack features.

2 Feature Matrix

The comparison table clearly lists the following:

- ✂✂ Features of ZigBee Full Stack
- ✂✂ Features that is currently available in 4-Node Sample Demo Application
- ✂✂ Features which would be available on Lite -Production Modules

ZIGBEE - Full Stack Features	Features Available in 4-Node Sample Demo Application	Features Available in Lite Production Modules
MAC		
Beacon	NO	NO
Beacon-GTS	NO	NO
Beaconless	YES	YES
Device: PAN/Router	YES	YES
Device: End Device	NO	YES
Active Scan	YES	YES
Passive Scan	NO	NO
Join through Association	YES	YES
Join through Orphan	NO	YES
Dis-association	NO	YES
Data Service: Direct	YES	YES
Data Service: Indirect	NO	NO
Auto Acknowledgement	NO	YES
Promiscuous mode	NO	NO
Battery Life Extension	NO	NO
NETWORK		
Data Service	YES	YES
Discovery	YES	YES
Formation	YES	YES
Network Association	YES	YES
Network Disassociation (leave & re-join)	NO	YES
Router capability	YES	YES
Receiver synchronization	NO	YES
Tree based routing	YES	YES
Mesh-Table based routing	YES	YES
Route Repair	YES	YES
Beacon Scheduling	NO	NO
APS		
Binding	Custom Implementation	Custom Implementation
Direct Addressing	Custom Implementation	Custom Implementation
Indirect Addressing	Not Implemented	Not Implemented



ZDO		
Network Manager	Custom Implementation	Custom Implementation
Device Discovery	Not Implemented	Custom Implementation
Service Discovery	Not Implemented	Custom Implementation
Node Manager: Client & Server Services	Not Implemented	Custom Implementation
Configuration Manager	Custom Implementation	Custom Implementation
Security Manager	Not Implemented	Not Implemented
Bind Manager	Custom Implementation	Custom Implementation
Application Object		
End Point Registration: Endpoint, cluster, attribute & attribute type	Not Implemented	Not Implemented
Data Service: Cluster Service	Not Implemented	Not Implemented
Data Service: Device broadcast	Not Implemented	Not Implemented
Data Service: KVP	Not Implemented	Not Implemented
Data Service: Message	Not Implemented	Not Implemented
End Point: Deregistration	Not Implemented	Not Implemented
Security		
MAC Security	Not Implemented	Not Implemented
NWK Security	Not Implemented	Not Implemented
APS Security	Not Implemented	Not Implemented
Trust Center	Not Implemented	Not Implemented