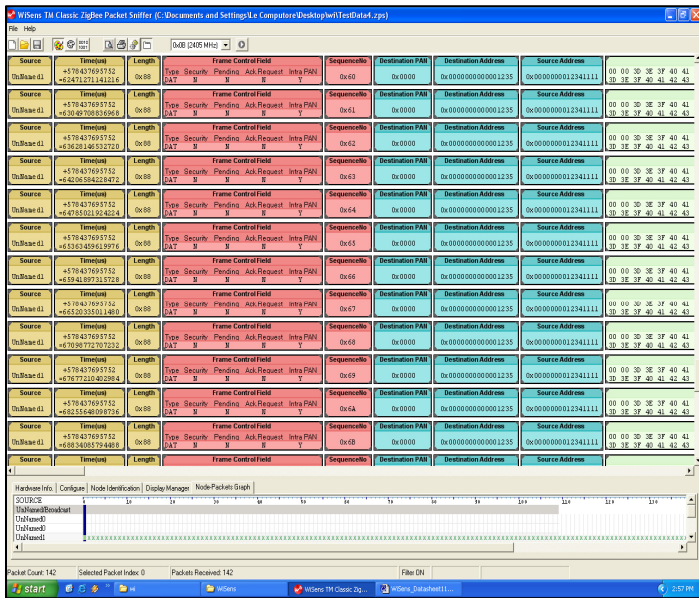


PACKET SNIFFER – IEEE 802.15.4/ZigBee®

Often times, what cannot be seen holds the key to successful trouble-shooting. The ability to see and analyze becomes the enabling factor for engineers and technologists.

WiSens® communicates with ZigBee®-ready sniffer hardware compactly packaged as a sleek USB stick, which can be readily plugged into the USB port of any laptop/desktop.



Source	Destination PAN	Destination Address	Source Address
0x00	0x0000000000001235	0x0000000012341111	00 00 30 3E 3F 40 41 30 3F 40 41 42 43
0x01	0x0000	0x0000000012341111	00 00 30 3E 3F 40 41 30 3F 40 41 42 43
0x02	0x0000	0x0000000012341111	00 00 30 3E 3F 40 41 30 3F 40 41 42 43
0x03	0x0000	0x0000000012341111	00 00 30 3E 3F 40 41 30 3F 40 41 42 43
0x04	0x0000	0x0000000012341111	00 00 30 3E 3F 40 41 30 3F 40 41 42 43
0x05	0x0000	0x0000000012341111	00 00 30 3E 3F 40 41 30 3F 40 41 42 43
0x06	0x0000	0x0000000012341111	00 00 30 3E 3F 40 41 30 3F 40 41 42 43
0x07	0x0000	0x0000000012341111	00 00 30 3E 3F 40 41 30 3F 40 41 42 43
0x08	0x0000	0x0000000012341111	00 00 30 3E 3F 40 41 30 3F 40 41 42 43
0x09	0x0000	0x0000000012341111	00 00 30 3E 3F 40 41 30 3F 40 41 42 43
0x0A	0x0000	0x0000000012341111	00 00 30 3E 3F 40 41 30 3F 40 41 42 43
0x0B	0x0000	0x0000000012341111	00 00 30 3E 3F 40 41 30 3F 40 41 42 43

WiSens® Classic captures the ZigBee® packets from the air on user-selectable ZigBee® channel and displays them in cool graphics on a PC screen.

Following features enhance flexibility and ease of use:

- Selective viewing by ZigBee® layers (MAC/NWK/APS) / fields for printing and analysis
- Saving sessions as files (with .zps extension) for archiving
- Retrieving for review of previously saved sessions
- Print for record and analysis
- Communicate as attachment in electronic document format

WiSens® displays the packets as specified by IEEE 802.15.4 and ZigBee® standards (ZigBee 2004, 2006 and 2007 standards).

WiSens® Classic, the wireless packet sniffer for IEEE 802.15.4 and ZigBee® networks is a simple-to-use smart tool for analysis and reporting, and an essential one for development, design, manufacturing, testing, field engineering, and commissioning of ZigBee® based systems and equipments.



WiSens® is a complete product with sniffer hardware and a PC based software on Windows platform.

- WiSens® is essential for:
- Communication software development engineers for testing their ZigBee® implementation
 - Test engineers
 - System commissioning engineers who deploy wireless networks

WiSens® Classic offers a powerful set of user-selectable features to aid post-capture analysis and trouble-shooting.

PACKET SNIFFER – IEEE 802.15.4/ZigBee®

SPECIFICATIONS / FEATURES	
Type	Packet Sniffer, Protocol Analyzer
Standards	IEEE 802.15.4-2003 & 2006 ZigBee® 2004, 2006 & 2007 specifications
Use	ZigBee Stack software development Application development Testing Field Deployment & Commissioning
Hardware interface	USB (dongle)
INSTALLATION REQUIREMENTS	
Windows XP Professional, Home, Vista, 7 MS .Net Framework 2.0	

FEATURES SNAPSHOT	
Packet Types Supported	IEEE 802.15.4-2003 & 2006 ZigBee® 2004, 2006 & 2007 Network and APS layer frame types Data unicast & broadcast Acknowledgement Command frames
Packet Views	Colour Black, White & Grey Raw Data
Configurations	Packet arrival time in msec & usec LQI / RSSI FCS ZigBee version Selectable MAC, Network and APS layer fields for display Filter select packets in display
Printing & Analysis	Page Setup Print Preview Colour and Black, White & Grey printing
Others	Pause and resume capture Save captured frames in a file automatically Open saved files for analysis



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www.bzworks.com

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