

Ellisys Bluetooth analyzers comparison chart



Bluetooth Vanguard



Bluetooth Explorer



Bluetooth Tracker

Radio analysis capabilities			
Bluetooth Classic (BR/EDR)	2x ⁽¹⁾	1x	
Bluetooth LE	2x ⁽¹⁾	1x	1x
Dual-Mode Capability	Full	Partial ⁽²⁾	
Wi-Fi 802.11	11ac 3x3 ⁽⁴⁾	11n 2x2	11n 1x1
WPAN 802.15.4	2.4GHz 16ch		
Spectrum analysis	✓	✓	✓
Emerging specifications	✓		
LE Audio / ISOC support	Full	Partial ⁽³⁾	Partial ⁽³⁾
LE Channel Sounding support	✓		
LE HDT	✓ ⁽⁵⁾		
LE Higher Bands (UNII-1/3/4/5)	✓ ⁽⁶⁾		
Bluetooth Capture Diversity	✓		
Bluetooth t ZERO Tracking	✓		
Wired analysis capabilities			
USB 2.0 HCI	✓	✓	
UART HCI	✓	✓	✓
SPI HCI	✓	✓	✓
Logic analysis	✓	✓	✓
UART, SPI, I2C, SWD, EDP, WCI-2, Audio I2S, FiRa UCI, CAN bus	✓	✓	✓
Analog Audio ⁽⁷⁾	✓	✓	✓
Other characteristics			
USB upload	USB 3.1	USB 2.0	USB 2.0
USB bus-powered	PD		✓
Ethernet upload	1GbE		
Power Over Ethernet	PoE+		
Backup Battery	✓		

1. Bluetooth Capture Diversity
2. Bluetooth LE 2M capture disables Bluetooth Classic (BR/EDR) capture
3. Isochronous Channels supported without Bluetooth t ZERO Tracking technology
4. Wi-Fi 6E Capture available as hardware option
5. LE HDT beta available, contact us for more information
6. LE Higher Bands available as hardware option, contact us for more information
7. Analog Audio capture enabled by the Audio Grabber accessory