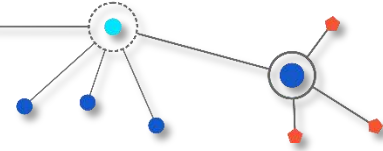


# PANALYZR

## Wideband Wireless Protocol Analyzer



### Key Features

#### Ultimate Portability

Compact form factor and light weight.

- 3.5" x 3.0" x 0.8"
- 90mm x 78mm x 20mm
- 0.25 lbs / 110g

Powered via single USB3 port

- 4.5W max power required

On-board standard SD card slot

- Enables offline / headless capture capabilities on battery power

#### Timing

BR / EDR / LE timestamp accuracy:

- 250 ns

Clock accuracy:

- $\pm 0.28$  ppm over temp range

#### Protocol Support

- Bluetooth BR/EDR
- Bluetooth Low Energy
- IEEE 802.15.4

#### Frequency Range

- 2402 – 2483.5 MHz



- Compliant with the latest Bluetooth 5.3 protocol specification
- Bluetooth Low Energy mode enables concurrent capture of all 40 channels
- Bluetooth BR/EDR (Classic) mode enables concurrent capture of all 79 channels
- 802.15.4 mode enables concurrent capture of all 2.4GHz channels\*

PANALYZR is a state of the art air packet analyzer for the IoT market. With a sensitive but portable wideband Software Defined Radio front end, it can capture everything in the 2.4 to 2.5 GHz ISM band. The SDR currently captures Bluetooth Classic (BR/EDR) and LE traffic. Wide-band IEEE 802.15.4 (Zigbee, Thread, etc.) functionality will be released soon. In the mean-time, our IoT Expansion Pack adds IEEE 802.15.4 single channel (per adapter) processing, along with Wi-Fi and Z-Wave. All of this concurrent protocol capturing is streamed to Wireshark.

We offer additional software capabilities like: device geo-location, meta data views, auto and scheduled start and stop, active device interrogation, and data export via a socket interface.

On the hardware side, we sell directional antennas, a 30 dB amplifier, and a GPS receiver

## Native operation supported on



## Best in class pricing!

\*Advertised feature will be available late 2021

# PANALYZR

## TECHNICAL SPECIFICATIONS

### Operating Temperature

- 32°F to 113°F (0°C to 45°C)

### Humidity Rating

- 0% to 90% (non-condensing)

### On-board SD Card

- 4GB Capture capacity

### Device Input / Output

- Antenna – standard SMA female
- Sync connectors – MMCX
- Logic analyzer – Hirose LX40P
- Multi-color LED indicator

## SERVICES AVAILABLE

- Technical Support
- Customized Training
- Custom Software Modifications
- Application Support
- Hardware Support
- 1 Year Warranty

## SYSTEM REQUIREMENTS

Windows 7 / 8 / 10

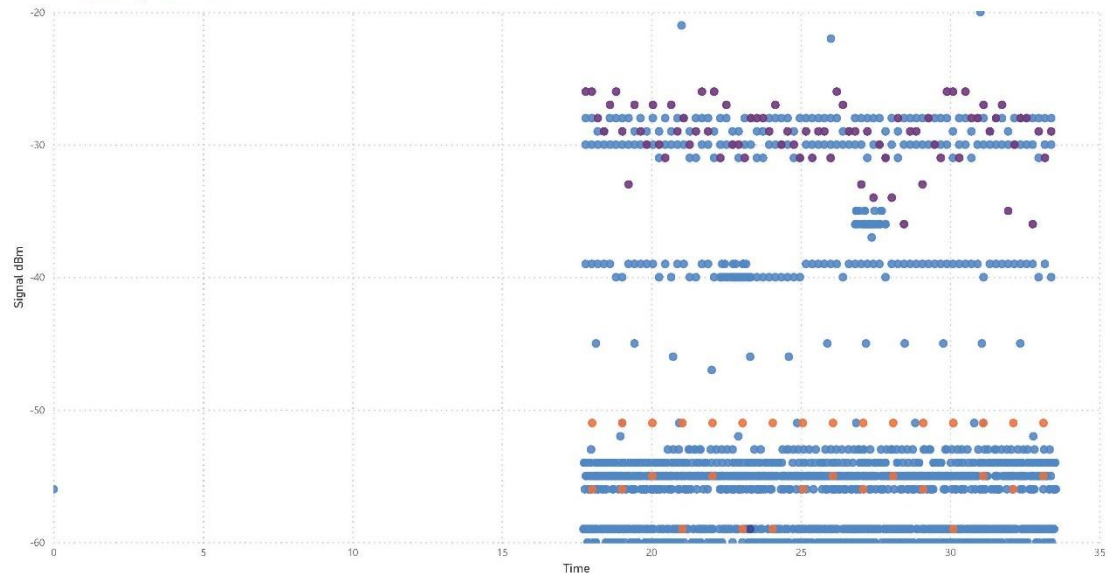
## CONTACT:

- [www.spanalytics.com](http://www.spanalytics.com)
- [contact@spanalytics.com](mailto:contact@spanalytics.com)
- Ph: (804) 364-1050, ext. 34

## Analytics (export to Microsoft BI)

Device Name, Time and Signal dBm

Device Name ● Charge 4 ● N006L ● ThunderBoard



PANalyzez

Options Help

PANalyzez Launcher Meta Data Graph RF Spectrum FindIt

Network Summary

	Bluetooth Low Energy	Bluetooth Classic	IEEE 802.15.4	Z-Wave	Wi-Fi
▶	49	0	0	0	0

Details

Bluetooth Low Energy Bluetooth Classic

	Device Address	Access Address	RSSI	Hits	Graph It	FindIt	Examine It
	5B:CD:6C:EC:CD:5B	8e89bed6	-50	22	Series 3	▼	<input type="checkbox"/>
	1F:14:01:7E:18:06	8e89bed6	-53	2		▼	<input type="checkbox"/>
	1F:17:00:5F:18:06	8e89bed6	-60	1		▼	<input type="checkbox"/>
	1F:1A:00:5F:18:06	8e89bed6	-59	1		▼	<input type="checkbox"/>
▶	13:4A:0C:6D:1E:17	8e89bed6	-59	34	Series 2	▼	<input type="checkbox"/>
	1F:13:00:5F:18:06	8e89bed6	-60	1		▼	<input type="checkbox"/>
	1F:23:01:7E:18:06	8e89bed6	-59	1		▼	<input type="checkbox"/>
	1F:1F:00:5F:18:06	8e89bed6	-60	1		▼	<input type="checkbox"/>
	D7:FE:11:7C:29:1B	8e89bed6	-59	7		▼	<input type="checkbox"/>
	34:05:00:5F:18:06	8e89bed6	-59	1		▼	<input type="checkbox"/>
	34:01:00:5F:18:06	8e89bed6	-59	1		▼	<input type="checkbox"/>
	49:19:00:5F:18:06	8e89bed6	-60	1		▼	<input type="checkbox"/>
	1F:14:00:5F:18:06	8e89bed6	-59	1		▼	<input type="checkbox"/>
	4D:91:3A:AB:F2:41	8e89bed6	-59	15		▼	<input type="checkbox"/>
	1F:02:00:5F:18:06	8e89bed6	-59	1		▼	<input type="checkbox"/>
	27:DF:00:5E:09:09	8e89bed6	-60	4		▼	<input type="checkbox"/>

## Meta-Data Views

PANALYZR is a product of:

