

# Beagle™

## USB 12

### Protocol Analyzer

#### Key Features

##### Real-Time Non-Intrusive Monitoring

- Full-/Low-Speed USB 2.0 (up to 12 Mbps)

##### Data Center™ Software

- Real-time display, search, and filtering of captured data
- Descriptor decoding
- Capture traces to >25 GB
- Cross-platform support for Windows, Linux, Mac OS X

##### Beagle API

- Create custom software applications
- Example files included

##### USB Bus-Powered

- Portable
- No extra power adapters needed

##### Quality

- CE, REACH, RoHS
- Manufacturing: ISO 9001, ISO 13485, AS9100C, ITAR
- One year warranty



An ever-wider array of devices and the increasing pressure to minimize costs means that you need to get the most out of your embedded systems interface tools - and the Beagle USB 12 Protocol Analyzer is expressly designed to enable your competitive edge.

The Beagle USB 12 Protocol Analyzer is the ideal tool for debugging and monitoring traffic on your full- and low-speed USB based applications. The Beagle analyzer provides a high performance bus monitoring solution in a small, portable package. It provides fast, interactive, real-time visibility into the protocol layer of your embedded system.

#### Enhanced Visibility

- Interactive debugging: make a change and see the results in real-time
- Real-time filter displays user-defined views
- Longer recording buffer than a scope (data streamed to PC's memory)
- Collaborate easily by sharing saved captures with colleagues with free Data Center software

#### Enumeration Debugging

The Beagle USB 12 analyzer is capable of analyzing all USB traffic that is passed through its ports, including the enumeration process. Many USB communication errors occur during this initial "handshake" between host and device. The analyzer is able to capture and display low-level bus events, dataless transactions, and parse all the descriptors, enabling USB developers to quickly and easily identify problems in their application.

# Beagle™ USB 12 Protocol Analyzer

## Applications

|         |              |                  |         |
|---------|--------------|------------------|---------|
| Audio   | HID          | Mobile Broadband | Tablets |
| Bridges | Hubs         | Mobile Phones    | Video   |
| Cameras | Mass Storage | Music Players    |         |

## Specifications

### Software

The Data Center™ Software is a bus monitoring software application that displays captured USB, I2C, SPI, and CAN bus data in true real-time through the Beagle™ line of hardware protocol analyzers and the Komodo™ line of CAN interfaces.

### Data Center Software Features

- LiveDisplay™ technology allows for real-time interactive display and analysis of full- and low-speed USB (up to 12 Mbps)
- Automatic descriptor parsing
- LiveFilter™ and LiveSearch™ tools allow for real-time interactive filtering and searching
- Collaborate easily by sharing capture files
- Export saved capture files to CSV format

### Beagle API and LabVIEW Support

- Create custom applications using the flexible, powerful, and well-documented Beagle API
- 32- and 64-bit support for C/C++/C#, Python, .NET, VB.Net, VB 6
- LabVIEW Instrument drivers

### Operating Systems Supported (32-bit and 64-bit)

- Windows: XP, Vista, 7, 8, 8.1
- Linux: Red Hat, SuSE, Ubuntu, Fedora, Arch, CentOS, Debian
- Mac OS X: 10.4-10.9

### Hardware

#### USB Monitoring:

- Full Speed, 12 Mbps
- Low Speed, 1.5 Mbps Target Bus Interface

#### Target Device Port:

- USB Type A receptacle

#### Target Host Port:

- USB Type B receptacle

#### Analysis Port (connects to PC):

- USB Type B receptacle
- Analyzer is bus-powered

#### Dimensions (W x D x L)

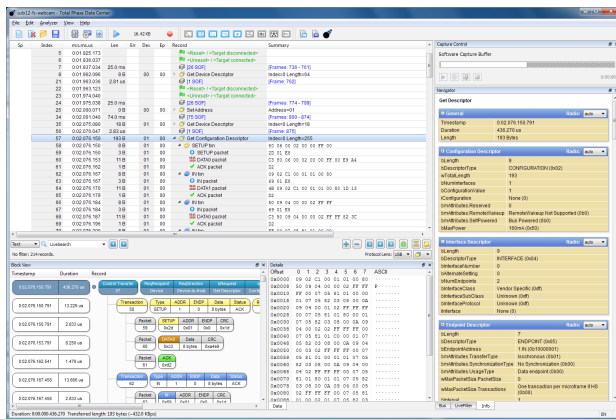
- 55.6 x 22.2 x 89 mm (2.19" x 0.87" x 3.5")

#### Weight

- 64 g (0.14 lbs)

#### Operating Temperature

- 10 to 35 °C (50 to 95 °F)



Data Center

### Ordering information

|                                 |            |
|---------------------------------|------------|
| Beagle USB 12 Protocol Analyzer |            |
| Part Number                     | TP320221   |
| Country of Origin               | USA        |
| HTS                             | 9030890100 |
| ECCN                            | EAR99      |

## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [Development Boards & Kits - Other Processors](#) category:*

*Click to view products by [Total Phase](#) manufacturer:*

Other Similar products are found below :

[KIT\\_AURIX\\_TC233LP\\_TRB](#) [EVB-MEC1418MECC](#) [SPC56XVTOP-M](#) [ADZS-BF506F-EZLITE](#) [ADZS-SADA2-BRD](#) [20-101-1252](#)  
[T1023RDB-PC](#) [20-101-1267](#) [T1042D4RDB-PA](#) [ML610Q174](#) [REFERENCE BOARD](#) [MPC574XG-MB](#) [BSC9132QDS](#) [C29XPCIE-RDB](#)  
[KIT\\_TC1793\\_SK](#) [CC-ACC-18M433](#) [P1010RDB-PB](#) [P1020RDB-PD](#) [P2020COME-DS-PB](#) [STM8S/32-D/RAIS](#) [T4240RDB-PB](#) [TRK-USB-](#)  
[MPC5604B](#) [TWR-56F8200](#) [CY3674](#) [SPC58XXADPT176S](#) [MAX1464EVKIT](#) [TRK-MPC5606B](#) [RTE510Y470TGB00000R](#) [STM8128-](#)  
[MCKIT](#) [MAXQ622-KIT#](#) [YRPBRL78G11](#) [SPC58EEMU](#) [QB-R5F10JGC-TB](#) [YQB-R5F11BLE-TB](#) [SPC564A70AVB176](#)  
[RTE5117GC0TGB00000R](#) [QB-R5F100LE-TB](#) [YR0K50571MS000BE](#) [YQB-R5F1057A-TB](#) [QB-R5F104PJ-TB](#) [CC-ACC-ETHMX](#)  
[LFM34INTPQA](#) [SPC563M64A176S](#) [Y-BLDC-SK-RL78F14](#) [P1021RDB-PC](#) [SPC58XCADPT176S](#) [RTE510MPG0TGB00000R](#)  
[YRPBRX71M](#) [LFMAJ04PLT](#) [KITAURIXTC234LPSTRBTOBO1](#) [OV-7604-C7-EVALUATION-BOARD](#)