

Beacon

The next generation tool for vehicle network design and development activities including EOL testing, ECU prototyping, data logging, bus analysis, simulation, validation, and more.



- High-end data logger and analyzer on a proven platform
- Hardware simulation & software validation
- 6 HS CAN/ CAN FD channels * Optional 8 configurable HS CAN channels
- Extensive data logging capability with Micro SD card with up to 64 GB of storage
- Includes Gryphon Data Logger and data logger configuration software to create configuration files
- Diagnostic and reprogramming capability
- Includes Hercules Software for ECU development, data collection/analysis, hardware simulation and testing
- ECU development
- Embedded application support
- Multiple PC based applications interface with the Beacon simultaneously
- Works with Wireshark to automatically know and dissect Gryphon Communication Protocols
- Bench testing with vehicle-ready LDF files (LIN Definition Files)— saving time and money from extensive in-vehicle testing
- Reads LIN LDF and can emulate LIN master and slave nodes from LDF file

Beacon

Processor: ARM Cortex A8, 1 GHz core speed.	<ul style="list-style-type: none"> • RAM: 512 Mbytes SDRAM • NAND Flash Memory: 512 Mbytes
Operating system	<ul style="list-style-type: none"> • Linux OS • On-board Web server • TCP/IP support of standard services into the BEACON® (FTP, SSH, etc.) • Module drivers and applications
Data storage	Micro SD card up to 64 GB
Electrical	Typical current: =1600mA at 12.0VDC input Input voltage Minimum input voltage: 6 VDC Maximum input voltage: 32 VDC
Working temperature range	-40 °C ... +85 °C (-40 °F ... +185 °F)
Storage temperature range	-40 °C ... +85 °C (-40 °F ... +185 °F)
Relative humidity	5 ... 95 %
IP-Code	IP 54
Dimensions (W x H x D)	171.45 mm x 38.1 mm x 133.35 mm (6.75 in x 1.5 in x 5.25 in)
Weight	approx. 362 g (0.8 lb.)

Interfaces

(1) USB-B (2) USB-A (1) Ethernet (100 Mb Ethernet) (2) 9 Pin and 15 Pin Connectors	
LAN	Ethernet connection
CAN measurement input	CAN High Speed acc. to ISO

Standard Hardware

<ul style="list-style-type: none"> • 6 HS CAN Channels • 1 SW CAN • 1 FT CAN • 2 LIN Channels 	6 CAN FD channels *Optional 8 CAN FD channels
Data Logging & Network Gateway	
Wi-Fi Enabled with Standard USB	
100 Mb Ethernet Connection	
USB Connection	USB 2.0
Field Upgradable Firmware	
On-board Media Storage	
Power Adapter or Vehicle-Powered	12 VDC Universal A/C power adapter

PC Software - PC-based

Includes Hercules (Analysis Software)

- Easy to use, intuitive menu structure
- Supports OBDII and ISO diagnostic services
- Interfaces to a wide variety of vehicle protocols
- View, store and create messages quickly
- Record and playback data (timestamp enabled)
- Filter/Trigger based on messages or signals
- Real-time signal graphing
- Send single and broadcast messages (Hot-key enabled)
- Data Monitoring
- Scrolling monitor displays messages with timestamps
- Signal monitor displays signals with engineering values
- In Place monitor displays color coded message activity
- Frame Responder
- Configure triggers to send messages in response to user-specified receive messages
- Imports dbc files
- Save/Load XML configurations

Includes Gryphon Data Logger (Data Logger Software)

- Configure as a responder or simulator.
- Configure triggers to send messages in response to user-specified receive messages
- Graphical user interface
- Data collection and filtering on multiple channels
- Customize with Timers, Counters and Clocks
- Triggers by filter
- Send Messages
- Create Events
- Set master and sub schedules
- Automatically transfer data logs to server
- Post-processing
- Analysis
- Backup

J2534 & RP1210 API Compatible

Compatible with Busmaster, Matlab, LabView and more

- 32-bit C, C++ and VB libraries and samples

Configuration software (Windows, external): Configure as a responder or simulator

Wireless Options

Wireless LAN by Nano USB adapter

Protocols

ISO15765 Diagnostic Services

Standard cables

Open ended cable with HD15 male connector

RJ45 Ethernet cable

Kit Includes:

Beacon Unit
Power Adapter
Ethernet Cable
Open Ended Cable
Soft Case
Quickstart Guide

