Beacon

The next generation tool providing hardware and software support for vehicle network testing, ECU prototyping, Datalogging, bus analysis, simulation, validation, diagnostics, reprogramming and more. Your Beacon purchase includes Hercules analysis software and our hardware is compatible with many open source and other industry standard software tools

Kit Includes:
Beacon Unit
Power Adapter
Ethernet Cable
●pen Ended Cable
Soft Case
Quickstart Guide

- 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.	• RAM: 512 Mbytes SDRAM • NAND Flash Memory: 512 Mbytes
Operating system	• 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 = 1600 mA at 12.0 VDC 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

• 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 Wireshark, 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

IP54 Tested

Dust Test

Water Test