

ValueCAN 4-2

Low Cost, High Value Vehicle Network Interface for CAN FD

Superior Engineering

ValueCAN 4 is the next gen hardware designed as a high quality tool solution for CAN FD, backward compatible with CAN 2.0 with all the field tested features of ValueCAN 3 and more including SW controlled CAN Termination, increased buffer size, improved USB latency performance and standalone operating capability using a USB charger. USB Type A and Type C options available and has certified drivers for Windows 7, 8, 10 and Vista.



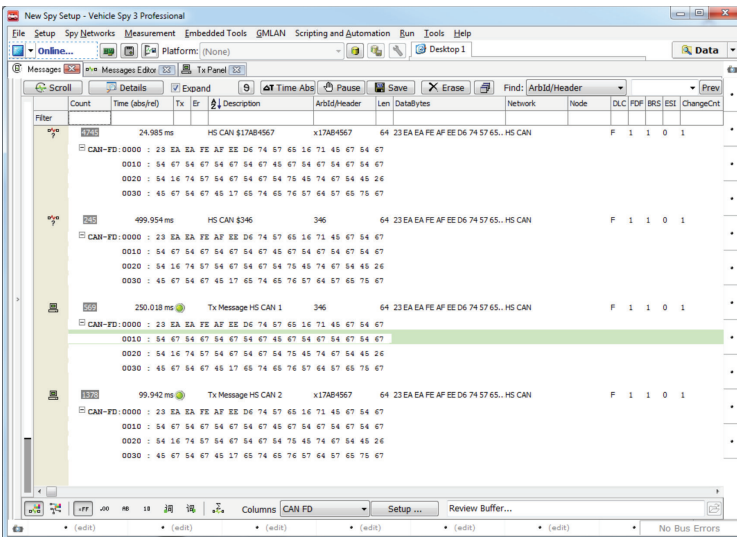
ValueCAN 4 is fully isolated from the PC and its isolation layer is self powered from USB which eliminates the need for external power for the CAN transceiver. ValueCAN 4's isolation, a feature not common on low cost interfaces, resolves issues with grounding or noise affecting your PC and its communications. ValueCAN 4 is also electrically hardened to survive an abusive environment including reverse battery and electrical transients. To make wiring easy, the device pin out is printed clearly on the housing. Finally, ValueCAN 4 is backed by a 1 year warranty.

High Performance

ValueCAN 4 has been tested and verified to operate on high bandwidth CAN FD networks. This includes 100% utilization at 10Mbit on both channels.

Real Time Acceleration and Stand Alone Mode Enable High Speed Flashing, Gateway, and ECU simulation

ValueCAN 4 has the ability to load real-time function block scripts and C code created with Vehicle Spy Professional. These scripts then execute in real time at microsecond resolution. The scripts can be controlled and monitored with a PC application or operate in standalone mode.



ValueCAN4 includes Vehicle Spy Trial for monitoring & saving CAN FD traffic.

High Level Protocols Supported

J1939, OBD2 on CAN, Keyword Protocol over CAN, UDS diagnostics, CCP/XCP, DeviceNet, and CANOpen are all compatible with ValueCAN4. We offer cables for J1939 and automotive diagnostics on CAN. ISO15765 for CAN FD is implemented in hardware which allows for super fast ECU flashing.

Software Support: Turn-Key

A copy of Vehicle Spy 3 Trial Edition is included with ValueCAN 4. This program is a powerful vehicle bus analyzer for monitoring messages and configuring baud rates. The professional user will want to upgrade to the full Vehicle Spy 3 software. Vehicle Spy lets you filter traffic, decode message data, build scripts, simulate other nodes, and build GUIs to control, log and view your data and build graphical displays of your data.

Software Support: Create Your Application Using the Included Intrepid DLL API, J2534 API, or RP1210 API

For those who wish to write their own applications, ValueCAN4 includes a DLL and helpful examples for Python, Visual C++, C++ Builder, LabWindows CVI, LabVIEW, Java, MATLAB, Delphi, Excel, and Visual Basic. For more information on the DLL, please see the neoVI DLL documentation (ValueCAN4 uses the neoVI DLL).

Rev.10022017



Intrepid Control Systems, Inc.

31601 Research Park Drive, Madison Heights, MI 48071 USA

(ph) +1-586-731-7950 (fax) +1-586-731-2274

www.intrepidcs.com

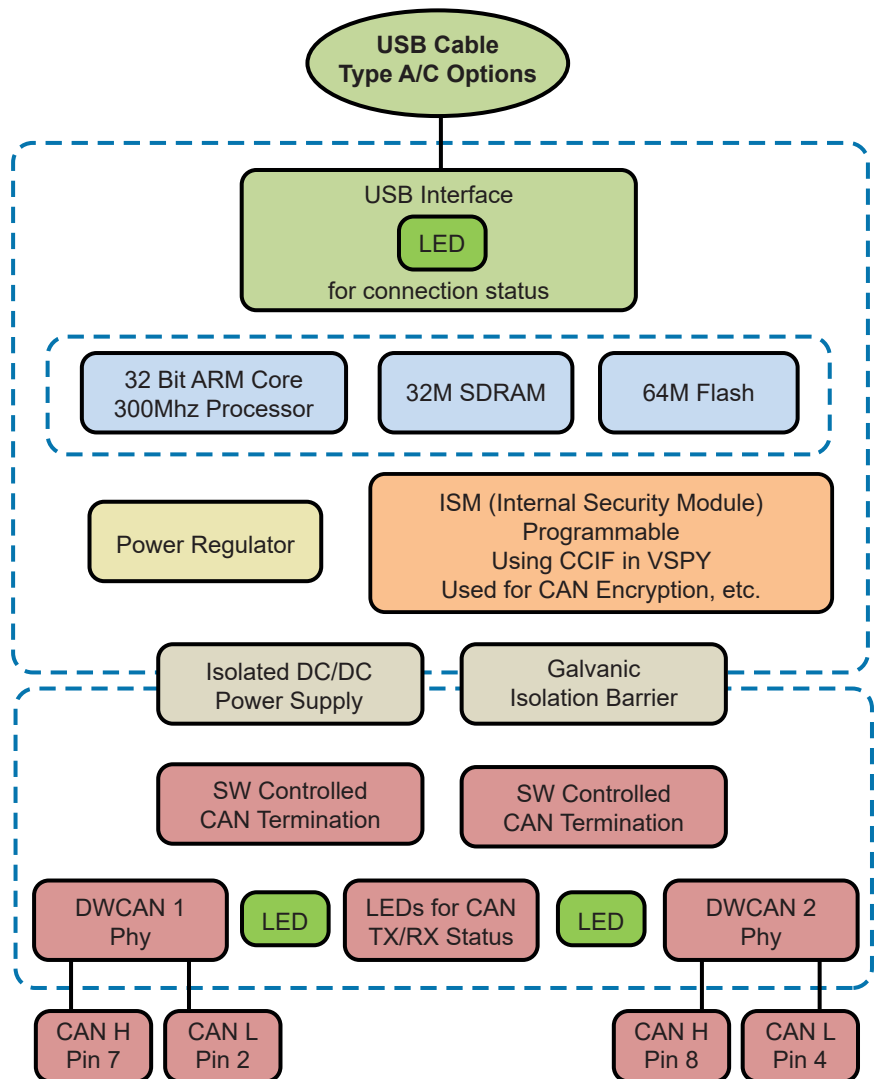
automotive engineering
tool alliance

www.aeta-rice.com

ValueCAN 4-2

Specifications:

- 2 CAN FD channels backward compatible with CAN 2.0 (Bosch MCAN Core)
- Selectable CAN termination
- USB Operating System Support: Windows 7/ 8/ 10/ Vista / Linux
- ISO11898 dual wire CAN physical layer (MCP2562FD) compatible with Device Net and CANOpen
- J2534 compliant for CAN and ISO15765
- RP1210 compliant for CAN and J1939
- CCP protocol hardware acceleration
- Supports listen-only operations
- Double buffered CAN transmission
- Industry standard 9-PIN D-Sub connector pin out
- Integrated 1 meter USB cable with USB type A and C options
- LEDs indicate transmission or reception of CAN traffic as well as error states for the respective channels
- LED near the USB end USB indicates USB status
- Fully USB powered
- 3kV USB isolation
- On-board processing: 300MHz ARM Cortex processor
- 64 bit time stamping to an accuracy of 25 nanoseconds; Time stamp never overflows.
- Firmware: Field upgradeable design (flash EEPROM)
- Vehicle Spy Trial setup tool for baud rates
- CE compliant
- Warranty: One year limited warranty



Pin Out:

Pin	Description	Pin	Description
1	N/C	6	GND
2	CAN 1 Low	7	CAN 1 High
3	GND	8	CAN 2 High
4	CAN 2 Low	9	V+
1	GND (Shield)		

Ordering Information:

Part Number	Description
VCAN-4-2	ValueCAN 4-2 with Vehicle Spy 3 Trial

For pricing see website. Please contact Intrepid Control Systems for details. Volume discounts and private label distribution agreements available. All trademarks mentioned are trademarks of their respective companies. Specifications subject to change without notice.

Rev.10022017



Intrepid Control Systems, Inc.

31601 Research Park Drive, Madison Heights, MI 48071 USA
(ph) +1-586-731-7950 (fax) +1-586-731-2274

www.intrepidcs.com

automotive engineering
tool alliance

www.aeta-rice.com