



Sloki Software Technologies LLP

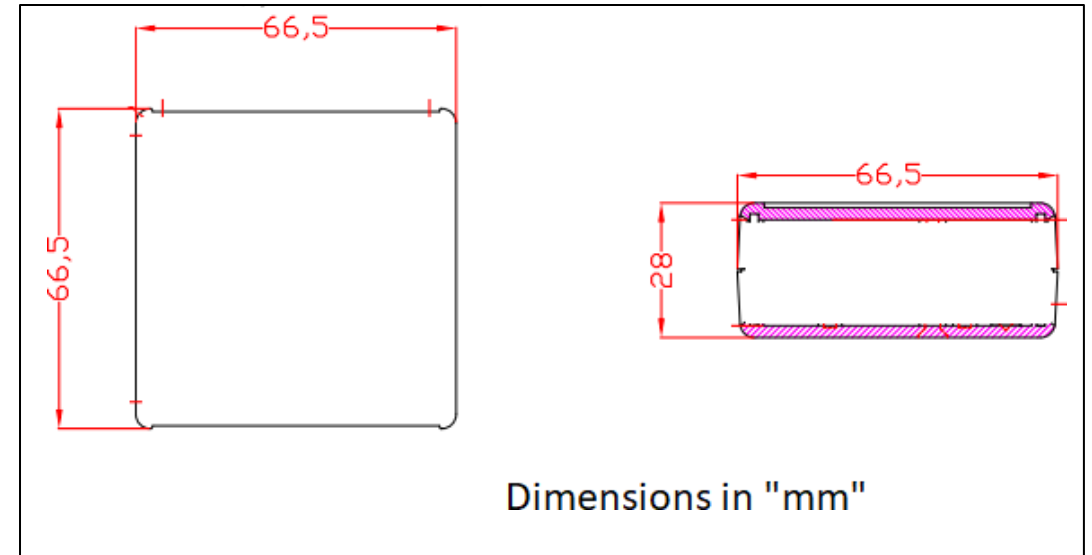
www.sloki.in

ISO 9001:2015 Certified

Product Brochure on **SBUSCAN**
CAN Bus Analyzer and **Monitoring Device**



SBUSCAN (Gallery)



Benefits & Applications

- Supports CAN 2.0B standard – Standard and Extended frames.
- Windows based tool to Monitor, Analyze and Simulate CAN node.
- Several Windows based in-house tools are developed on for this hardware, such as SAE J1939 simulator, OBD2 simulator, SAE J1939 Flash programming tool, UDS Flash programming tool.
- Support for Linux Operating System with SAE J2534 Interface Protocol Layer.

Applications:

- Automotive/ECU software development companies
- Industrial companies– working on CAN based applications

Features

- Real time CAN bus monitoring with time stamp accuracy of 1ms (Either Tx or Rx).
- Windows device driver library (DLL) support for custom application development.
- Support for Windows platform VC++, C# .NET based API exposure for seamless integration.
- Detailed API documentation for custom tool development.
- Complete integration with GUI tool - BUS MASTER.
- Supported on WINDOWS and LINUX OS.
- Supported with Libraries for C, C# .NET and PYTHON.

The image displays three overlapping screenshots of software interfaces related to CAN bus configuration and monitoring.

Top Left Window (CAN Log): Shows a list of CAN messages. The columns are: Time, Tx/Rx, Channel, ID, Message, DLC, and Data Byte(s). The log shows a sequence of messages, including HMI_Rx_Eve_1, HMI_Rx_Per_1, HMI_Rx_Per_2, and HMI_Rx_Eve_1.

Top Right Window (Configure Transmission Messages - CAN): Shows a table for configuring transmission messages. The columns are: Message Name, Frame Id, Channel, Data Length, Message Type, RTR, Repetition (ms), and Key. The table lists messages like HMI_Rx_Eve_1, HMI_Rx_Per_1, HMI_Rx_Per_2, and HMI_Rx_Eve_1.

Bottom Window (C++ Code Editor): Shows the implementation of CAN message handlers in the file `cluster_b2_demo.cpp`. The code includes headers for `Windows.h` and `CANIncludes.h`. It defines several functions for handling CAN messages, including `OnKey_o`, `OnKey_l`, `OnKey_p`, `OnKey_h`, `OnKey_w`, `OnKey_a`, and `OnKey_e`. The code also includes a `SendMsg` function and a `PerMsg1` function.

<https://drive.google.com/file/d/1QNfeZmbVYHCW-3vxcMiaiqYEs35PQ9Wx/view?usp=sharing>

Testimonial from customers



This email is in reference to the purchase of CAN BUS Analyzer (SBUSCAN) device from Sloki Software Technologies LLP which was procured during end of 2020. We have been able to use the device in Automotive domain mainly for acquiring CAN frames for Telematics application. The results obtained are good with no complications and the performance of the device has been found consistent.

With Best Regards,
C.S. Srikanth, Director Technical
AutoTEC Systems Private Limited (Adani Group Company), Bangalore

This is to share a quick feedback regarding the Sloki SBUS CAN Analyzer.

We have been extensively using the SBUS can analyzer during our testing of our electric two-wheeler and during all cases, the SBUS CAN has maintained a consistent and robust connection. During bench testing, the SBUS CAN is interfaced with several components such as the Motor control unit, Battery, etc. and we have no trouble in reading the CAN signals from the components.

Despite vibrations and mechanical shocks experienced by the SBUS CAN during road tests of our vehicle, it continued to maintain a secure connection. The compact size and overall form factor of the device has also been very advantageous in terms of storing or securing the same in our vehicle.

Overall, we are very happy with the product and an applause for Sloki team for their technical prowess and unwavering support.

Best Regards,
Geeth Prajwal Reddy Putchakayala,
Head of Electrical Design,
Aventose Energy Pvt Ltd, Chennai

I have been using S-BUS CAN and the GUI tool ,Busmaster, for testing both CAN and J1939 based communication used in one of our projects. Both these were extremely helpful and the GUI platform has been very much user friendly. I take this opportunity to thank you and your team, especially Mr. Sandeep and Mr. Dileep who have been providing such good support with the whole integration process. I pray that success keeps finding its way to Sloki's doorstep.

--
Thanks & Regards,
CDAC, Trivendrum

Pros

- 1 The SLOKI Device was very useful and was perfectly matching our requirement to Simulate the Data Stream bytes like a BUS Master
- 2 The cost of the device was competitive.
- 3 Sloki Supported on documentation and we received the required support.

Cons

- 1 USB1.0, 2.0 and 3.0 stack-based support would be more useful for the end-user. We explored and found a separate code in google and compiled it along with libraries and source code. If USB mapping was available we could have used it as plug-n-play. This feature would avoid various crashes and software instability.
- 2 SBUS Master code was lacking the latest CAN-BUS supported protocols for the Standard and Variant Parameters. But we did receive new firmware to support the same during our development as part of enhancement. New updates can be taken care of in the future.
- 3 Programming guide can be provided upfront, as Developers, we followed the readme along with Sloki support for Linux Compilation and came up with a User Guide.

CyQurex (Ashok Leyland Company)

Registered / Billing Address:

Sloki Software Technologies LLP,
#128, 2nd Floor, 19th Cross, 8th Main, CHBS
Layout, Vijayanagar, Bangalore – 560040
(INDIA)

Correspondence / R&D Centre:

Sloki Software Technologies LLP,
#166, 5th Main, M C Layout, Opp. BDA Complex,
Vijayanagar - 560040.
INDIA,

Website: <http://sloki.in/> ,

Ph.: +91-9880-667-877.