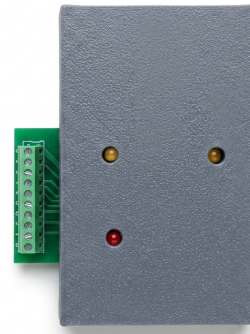


DynoSure SLCAN GPIO

Model: SLCAN GPIO (USB-to-CAN with 8-ch GPIO Control)

The DynoSure SLCAN GPIO combines a full-featured USB-to-CAN adapter with 8 configurable GPIO outputs. This gives hardware developers and test engineers both CAN bus communication and physical hardware control in a single compact device. Exposes CAN standard interfaces and digital outputs directly through internal messaging controls.



Specifications

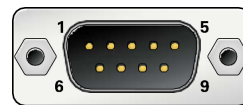
Parameter	Details
Microcontroller	STM32G4 Series, 170 MHz
CAN Protocols	CAN 2.0A (11-bit), CAN 2.0B (29-bit), CAN-FD
USB Interface	USB 2.0 Full-Speed
GPIO Channels	8 Configurable Digital Outputs
Power Supply	USB-powered (no external supply required)
Compatibility	Windows & Linux (Virtual COM Port)
Software Support	BusMaster, Python, C++ SDKs
GPIO Control	Exposes GPIO via internal CAN message commands

GPIO Control Protocol

The 8 GPIO outputs are controlled by sending a special CAN command message. This message is processed internally by the firmware and is **not** transmitted on the physical CAN bus.

Field	Value / Description
CAN ID	0x1FFF (Extended 29-bit ID)
DLC	2
Byte 0	GPIO States (Bit 0 = GPIO 0 ... Bit 7 = GPIO 7). 1 = HIGH, 0 = LOW
Byte 1	0xAA (Fixed GPIO command identifier)

DB9 CAN Pinout



DB9 Pin	Assignment
Pin 2	CAN-L (CAN Low)
Pin 3	GND (Ground)
Pin 7	CAN-H (CAN High)
Pin 6	GND (Ground)
Others	Not Connected

GPIO Auxiliary Port Pinout

Aux Pin	Assignment
Pin 1	VCC (+5V Out)
Pin 2-9	GPIO 0 to GPIO 7
Pin 10	GND (Ground)

Inquiries & Ordering:

Email: dynosure.india@gmail.com
 Mobile: **+91 9898204057 (Mukesh Patel)**