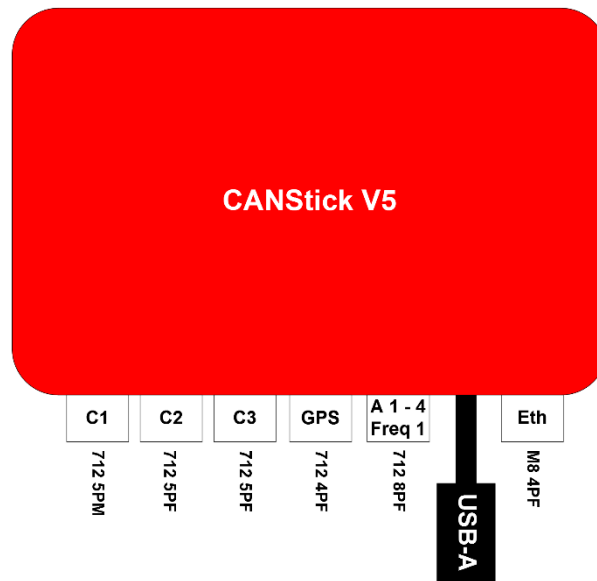


LG-CANStick_3C_V5W-000

USB Stick Logger



Key Features

- Integrated WiFi interface for wireless WinIt and 2D virtual dash connectivity
- Sticklogging features
 - Stores data directly on up to 1000 GB USB 3.0 Stick with > 600 kByte/s
 - Supports USB Stick hot swap without data loss
 - Optional CAN-Streamlogging: Create measurements with "unlimited" number of OFFLINE CAN channels & Stream-Replay (*OPT-008*)
- CAN-bus features
 - 3 CAN lines up to 2 Mbit/s each (one line can be used for CAN-FD*)
 - 32 ONLINE CAN channels can be recorded and send to other CAN-devices with sampling rate up to 200 Hz each (online CAN-DB/DBC-file decoding)
 - Optional up to 128 ONLINE CAN channels (*OPT-001*)
 - Optional CAN channels sampling rate of up to 2000 Hz (*OPT-002 & OPT-003*)
 - Optional with CAN/CAN-FD*: XCP/CCP option with "Listen only" Mode (*OPT-005*)
- 4 analogue input channels – up to 1000 Hz sampling rate each
 - 1 Input can be switched to a Hybrid Input to serve as a frequency input
 - Optional increased sampling rate of analogue inputs (*OPT-010*)
- 2 frequency input channels (up to 50kHz)
- 32 / 64 Math (CALC) channels for online calculation with > 8 MFlops
- GPS/GNSS data via CAN and Serial (RTK ready)
- Optional Ethernet connection (*OPT-011*)

Available options (all options can be combined freely!)

OPT-000	<u>Serial</u> GPS/GNSS mouse connectivity
OPT-001	<u>Additional</u> 32 ONLINE CAN channels (max. <u>total</u> 128 CAN channel)
OPT-002	Increased max. sampling rate of 1000 Hz (for all channels)
OPT-003	Increased max. sampling rate of 2000 Hz (for all channels)
OPT-004	Full ONLINE channel Routing/Interface
OPT-005	CAN/CAN-FD*/Ethernet - CCP/XCP Protocol (Online Decoding)
OPT-008	CAN-Streamlogging: Create measurements with "unlimited" number of OFFLINE CAN channels & Streamreplay
OPT-010	Increased sampling rate of analogue channels to 16000 Hz each
OPT-011	Ethernet connection
OPT-012	Waterproof USB Stick incl. Connectors/connector cables

Technical specifications

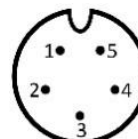
CAN characteristics		Mechanical characteristics	
ONLINE CAN channels	32 (up to 128)	Housing Material	Aluminum
CAN Lines	3 (up to 4) with 2x FD*	Dimensions	mm 100x 70x 16
CAN powered	yes	Weight (cable included)	g 125
Baud rate	kBd 125 / 250 / 500 / 1000 / 2000	CAN Interface	Binder 712 5P
Storage characteristics		Cable USB Stick	USB Type A, socket
Max USB Stick size	USB GB supports 2.0/3.0 1000	Length	mm 200
format	xFAT32	Analogue/Frequency Input	Binder 712, 8PF
Max block size	GB 2	Electrical characteristics	
Analogue input channels		Supply voltage	V 6 to 18
Single ended inputs	4	Current consumption @12V	mA 95
Analogue Input Filter (6dB)	Hz 4400	Operation mode status indicator	
Resolution	bit 16	LED green/red blinking	
Input voltage range	V 0 to 5	Environmental data	
Internal sampling rate analogue channels	Hz 32000	Protection class	IP67
recording rate analogue input channels	Hz Up to 16000	Ambient operating range	°C -20 to +75
Frequency input channels		Humidity	% 5 to 95
Inputs	1	Vibration resistance	
max. frequency	kHz <50	Shock	G 40
		During time period of	ms 10
		Vibration tested at	G 12
		Measured with	Hz 1000
		Ordering information	
		LG-CANStick_3C_V5-000	

Connector layout

Connector type

CAN 1, Binder 712, 5PM

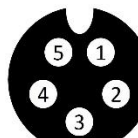
Pin	Name	Description
1	CAN 1/3 H	CAN 1 high
2	CAN 1/3 L	CAN 1 low
3	GND	Ground
4	n.c.	tbd
5	Vext	Power (6 to 18V)



front view

CAN 2+3, Binder 712, 5PF

Pin	Name	Description
1	CAN 2 H	CAN 2 high
2	CAN 2 L	CAN 2 low
3	GND	Ground
4	n.c.	tbd
5	Vext	Power (6 to 18V)

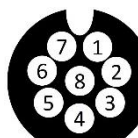


front view

Analogue/Frequency inputs, Binder 712, 8PF

Ain 1-4 + Freq 1

Pin	Name	Description
1	VCC	+5V Sensor supply (150mA max)
2	AGND	Analogue ground
3	FREQ 1	Frequency input 1
4	+12V	+12V Sensor supply (600mA max)
5	AIN 1	Analogue input 1
6	AIN 2	Analogue input 2
7	AIN 3	Analogue input 3
8	AIN 4	Analogue input 4



front view

Ethernet, Harting M8 D coded, 4PF

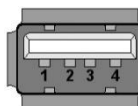
Pin	Name	Description
1	ETH RX+	
2	ETH TX-	
3	ETH RX-	
4	ETH TX+	



front view

USB, Type A, socket

Pin	Name	Description	Color
1	VCC	USB Power supply +5V	red
2	Data -	Data line -	white
3	Data +	Data line +	green
4	GND	Ground	black



front view



Connector and cable length can be modified on customer request!

Accessories

- 4x Analogue, 1x Frequency Breakout Box
WB-2miniA_D-000

