

simplyCAN

Active USB Adapter

1 x CAN (High-Speed)

With its simplyCAN adapter HMS offers an easy and economical way to diagnose, configure and commission devices and systems on CAN. simplyCAN can be easily integrated into customer applications using a straightforward API and requires no driver installation for operation.



FEATURES AND BENEFITS

- Inexpensive and easy to install no driver installation required
- Simple API interface for fast integration into customer applications
- Optimized for diagnosis and commissioning of devices and systems with CAN bus interface
- Galvanic isolation prevents over-voltage damage

EASY COMMISSIONING

simplyCAN behaves like a standard serial USB device when connected to a USB port, the installation of a special driver under Windows 10 or Linux is therefore not required. For accessing the CAN functions of the simplyCAN adapter only a small number of functions is required, allowing easy and fast integration into customer applications.

COMPARISON OF THE DIFFERENT USB-CAN INTERFACES

HMS offers under the Ixxat brand different USB interfaces for CAN. Besides a one or two channel version and the support of CAN FD and LIN, also an embedded variant for implementation into customer devices is offered. An overview and comparison of the available USB interfaces can be found on the following page:

Comparison of the Ixxat USB-CAN interfaces

INCLUDED MONITORING TOOL

simplyCAN comes with a simple monitoring tool for Windows and Linux, which can be used for commissioning of the adapter as well as for displaying messages in raw format and for sending individual messages.

evice Control:	Output:															
elect Device: COM6 ~	Time (ms)	ID(hex)	Flags	DLC	Dat	a (hex	:)				ASC	II			Ŀ
and the second se	0000172238	0x104		[5]	04	01	02	03	0.4							
Connect Disconnect	0000172238	0x203		[4]	0.3	01	02	03								
	0000172238	0x105		[6]	0.5	01	02	03	04 1	0.5						- 1
-	0000172238	0x204		[5]	04	01	02	03	04							- 1
Ixxat°	0000172239	0x106		171	06	01	02	03	04 1	05 (16					- 1
	0000172239	0x205		[6]	05	01	02	03	04 1	0.5						- 1
	0000172239	0x206		171	06	01	02	03	04	05 0	- 34					- 1
BY HMS NETWORKS	0000172240	0x107		[8]	07	01	02	03	04 0	05 (6 07					- 1
implyCAN 0.0	0000172240	0x207		[0]	07	01	02	03	04 1	05 (6 07					- 1
4W530417	0000172241	0x108		[1]	08											- 1
	0000172241	0x109		[2]	0.9	01										- 1
W Version 1.05.00	0000172241	0x208		[1]	08											- 1
W Version 1.00.00	0000172241	0x10A		[3]	02	01	02									- 1
	0000172241	0x209		(2)	09	01										- 1
	0000172241	0x10B		[4]	08	01	02	03								- 1
	0000172241	0x20A		[3]	0A	01	02									- 1
	0000172241	0x10C		[5]	0C	01	02	03	0.4							
	0000172241	0x20B		[4]	08	01	02	03								
	0000172242	0x200		[5]	0C	01	02	03	04							
	0000172242	OmloD		[6]	00	01	02	03	04 1	0.5						- 1
	0000172242	0x20D		[6]	0D	01	02	03	04 1	05						- 1
audrate [kBaud]: 1000	0000172243	OKIOE		[7]	08											- 1
anguasa (spang). 1000	0000172243	ORIOF		[8]	07	01	02	03	04	05 (16 07					- 1
CAN start CAN stop	0000172243	0x20E		[7]	0E	01	02	03	04 1	05 (16					- 1
Christen	0000172243	OK2OF		[8]	07	01	02	03	04 (05 (16 07					- 1
CAN status:				_	-	_	_	_	_	-			_			_
CAN Pend Ovr Warn B.off	Transmit															
Cher Fend on Warn Dien					_	_	_	_	_	_		~	Ser	and the second	Clear	

TECHNICAL SPECIFICATIONS

PC bus interface	USB 1.1 Full-Speed (12 Mbit/s)			
Fieldbus connection	according to CiA 303-1			
CAN standard	CAN high-speed, according to ISO11898-2			
CAN baudrates	10 kbit/s to 1 Mbit/s, only CiA recommended bit rates are supported: 10, 20, 50, 125, 250, 500, 800, 1000			
Galvanic isolation	800 V DC / 500 V AC for 1 min			
Power supply	Via USB, 5 V DC/100 mA			
Operating temperature	-20°C 70°C			
Protection class	IP40			
Certification	CE			
Dimensions	80 x 50 x 22 mm			
Weight	Approx. 100 g			
Supported operating systems	simplyCAN is tested on Windows 7 (32 bit and 64 bit) and Windows 10 (64 bit), Ubuntu 14.04 on Linux kernel version 4.4 as well as Ubuntu 18.04 on Linux kernel version 4.15 on Intel/AMD processors. ARM based processors are not supported.			

CONTENTS OF DELIVERY

Ixxat simplyCAN USB adapter

The following is available via download from the webpage:

- User manual
- simplyCAN bus monitor for Windows and Linux
- Programming examples
- Programming API

• Installation file setup.bat (necessary for Windows 7)

Order number

simplyCAN

1.01.0001.12001

