

USB2.0TO Rs422/RS485 CABLE Driver installation instructions

ТЕСН	



1

- (9) interface protection: surge 600W protection power, ±15KV electrostatic protection
 (10) interface form: connector connection of USB end type A interface male head and DB9 male head
 (11) signal indication: red lamp power supply, green lamp send signal, yellow lamp receive signal
 (12) transmission medium: twisted pair or shielded wire
 (13) transmission rate: 300-3000000 BPS
 (14) operating environment: -25°C to 70°C, with a relative humidity of 5% to 80%;
 (15) support Windows/Mac/ operating system.
 (16) support data bits 5, 6, 7, 8; Support stop bits 1, 1.5, 2; Support verification bits: none, even, odd, mark, space
 (17) support 512 byte transmit buffer and 512 byte receive buffer

conntction

5、Interface and signal

- Performance parameter
 standard: conforming to USB2.0 standard, downward compatible and Rs422 and RS485 standard
 USB signals: VCC, DATA+, DATA-, GND
 RS422 signals: T/R+, T/R-, RXD+, RXD-, GND
 RS425 signal: T/R+, T/R-, GND
 poration way: asynchronous work, point-to-point or multi-point, 4-line full duplex, 2-line half duplex
 direction control: automatic data flow control technology is adopted to automatically identify and control the direction of data transmission
 load capacity: support point to multi-point, each converter can connect 256pcs of RS422 or RS485 interface devices
 transmission distance: rs422/485 end 1200 meters, USB cable up to 5 meters
- 4、Performance parameter
- 3、Installation and utilization 3. Installation and utilization Please read carefully product manual before install DT – 5019 converter, then insert USB cable which attached to USB port. This product use USB/DB 9, general connectors for input/output interface without jumpers, automatically identify RS422 or RS485 communication mode. Fit for twisted-pair cable or shielding wire connection, very convenient to disassemble. Point-to-point, point to more, full-duplex communication that connect four wire T/R +, T/R and RXD +, RXD -, point-to-point, point to more, half-duplex communic-ation that connect two lines T/R +, T/R -.
- Summarize
 With the continuous development of the PC industry, USB interface is sub
 stituting the old industrial and low speed PC interface, but there are so much
 important equipment still use the RS485/RS422 interface in the industrial en vironment. So many users have to use the USB to RS485/RS422 converter
 to realize the data transfer between PC and RS485/RS422 equipment.
 The universal USB2.0 TO RS422/RS485 converter, which is without addition
 power supply, compatible with USB, RS422, RS485 standards. It can convert USB
 signals to a balanced differential RS422 or RS485 signals. Each line has surge pr otection, and various surge voltage protections. The tiny capacitance distance gu arantees RS422/RS485 interface of high–speed transmission. RS422, RS485, Converter with zero delay automatic transceiver inside,
 unique I/O circuit automatically control data flow direction, without any handshake
 signal Is (such as RTS, DTH, etc.) and jumpers set realize thell-duplex, half-duplex,
 mode conversion, plug and play. Ensure the product fix for all existing communica
 -tion software and hardware interface.
 USB TO RS422/RS485 converters for point-to-point, point-to-multi point
 reliable communications. Provides the point to more each converter allows conne cting256RS422 or RS485 devices, data rate of 300 to 3000000bps. The power and
 data flow indicator light will show fault if any breakdown. Support of communication
 has USB to RS422, USB to RS485.
 2、Function USB TO RS422/485convertor supports four communication modes: Point-to-point / 4-line full-duplex;
 Point-to-point / 4-line full-duplex;
 Point-to-point / 2-line half-duplex;
 Point-to-point / 2-line half-duplex;
 Point-to-multi point / 2-line half-duplex.
 When the convertor is working at full-duplex or half-duplex, needs to add a matched resistance to avoid reflects and disturbance of signal. (120 Ω, 1/4W)

Please read the product manual carefully before using the product 1、Summarize

USB2.0TO Rs422/

RS485 CABLE

Отесн



Step 7: Enter the folder and double-click the "CP210xVCPInstaller_x64" file



Step 8: Please click 'Next'



10x USB to	OART bruge Driver anstaller
license Ag	reement E
Ń	To continue, accept the following license agreement. To read the entire agreement, use the scroll bar or press the Page Down key.
	LICENSE AGREEMENT SILICON LABS VCP DRIVER IMPORTANT: READ CAREFULLY BEFORE AGREEING TO TERMS
	THIS PRODUCT CONTAINS THE SILICON LABS VCP DRIVER AND INSTALLER PROGRAMS AND OTHER THIRD PARTY SOFTWARE.TOGETHER THESE PRODUCTS ARE REFERRED TO AS THE "LICENSED SOFTWARE". USE OF THE LICENSED SOFTWARE IS SUBJECT TO THE TERMS OF THIS LICENSE +
1	I accept this agreement Save As Print I don't accept this agreement
/	
	< Back Next > Cancel
p 10: Tł	ne driver is being installed, please wait
p 10: Th 10x USB to U	ne driver is being installed, please wait
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Step 11: The driver installation has been completed, please click "Finish"



If you need to change the port number, please do as follows Step 1: Open the device manager, you can see the current device port number is "COM3", select "Silicon Labs CP210xUSB to UART Bridge (COM3)", click the right mouse button



8

Step 2: click "properties"

Þ .	Monitors	
þ 👰	Network adapters	
Þ 🛄	Portable Devices	
1.1	Ports (COM & LPT)	
1	1000 C	

a rolls (comocert)	
	(COM1)
Printer Port (LPT1)	
Silicon Labs CP210	
Processors	Update Driver Software
Sound, video and gam	Disable
> 📲 System devices	Uninstall

 Scan for hardware changes
 Scan for hardware changes Properties

Step 3: click "port settings"

General	Port Settings	Driver	Details	Power Management	
	Silicon Labs (CP210x U	JSB to U/	ART Bridge (COM3)	
/	Device type:	Po	orts (COM	& LPT)	
	Manufacturer	: Si	licon Labo	oratories	
	Location:	Po	ort_#0003	.Hub_#0004	
					-

Step 4: click "Advanced" Silicon Labs CP210x USB to UART Bridge (COM3) Properties General Port Settings Driver Details Power Management Bits per second: 9600 👻 Data bits: 8 Party: None • Stop bits: 1 • control: None • Advanced... Restore Defaults OK Cancel

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	reomposible or a	(1)				ОК
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for faster pe	erformance.					Default
-			Ģ	High (14)	(14)	Derdun
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10

Step 6: Select the port number you want to modify (take port COM2 as an example)

COM3 COM4	8							
COM5								
COM6								
COM7 COM8								
COMB								
COM10								
COM11 COM12								
vanced Settings for COM12								×
COM14								
COM15								
COM17	Comp	duble UART)						OK
Select lower COM18	man	tion probleme						
COM19	A HIGO	uon problems.					C	ancel
Select higher COM20	erform	ance.					_	
COM22							D	efaults
Receive Buffer: L COM23				Ŷ	High (14)	(14)		
COM24 COM25								
Transmit Buffer: L COM26				-0	High (16)	(16)		
COM27				Y	11911(10)	(10)		
COM28								
COM30	-							
COM Port Number: COM3	-							
7.40						<i>(</i>		
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p 7: After selecti ranced Settings for COM3 ☑ Use FIFO buffers (requir Select lower settings to	ing the res 16550 co	e port "	COM2' T) 18.	', clio	ck "Oł	("	•	ОК
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p 7: After selection anced Settings for COM3 Ver FIFO buffers (require Select lower settings to Select higher settings for	ing the res 16550 co correct conn or faster perfo	e port " mpatible UAR rection probler rmance.	COM2 T) 18.	', clio	ck "Oł	("		OK Cancel
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11

Step 8: Click "Ok"



Step 9: In the device manager, you can see that the port has been modified to port "Silicon Labs CP210xUSB to UART



12

Product Warranty Card

Customer Information

Model:	
Date of purchased:	
User telephone:	
User address:	
Distributor:	
Agency address:	
User telephone:	Dealer stamp valid

Intenance Records

Repair times	Date	Fault	Treatment measures	Repair work NO.