

**USB to UART Module,
4-port DB-9 COM, RS-232/422/485 Selectable, RoHS**

iUCOM-4D

Quick Installation Guide **Version 1.0**

June 30, 2023

Package List

iUCOM-4D package includes the following items:

- 1 x iUCOM-4D USB to UART module
- 1 x USB to USB cable (p=2.0)
- 1 x USB to USB cable (p=2.54)
- 1 x QIG (Quick Installation Guide)



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Specifications

- Convertor Chip:
WCH CH344 USB to quad serial port convertor chip
- Buffer/Transceiver Series:
Fintek F81435
- Compatible UARTs:
16C550 / 16C650 / 16C750 / 16C850 UART
- FIFO:
1024 bytes transmit, 512 bytes receive
- Baud Rate:
115.2K, up to 6M
- Interface (convert from):
USB 2.0 (1x4 pin, p=2.0mm)
- I/O Interface (convert to):
4 x RS-232/422/485 serial port (DB-9)
- Supported OS:
Windows 11/10/8.1/8/7/VISTA/XP/2000, 32-bit/64-bit
Server 2022/2019/2016/2012/2008/2003
Linux 32-bit/64-bit
- Operating Temperature: 0°C ~ 60°C
- Storage Temperature: -10°C ~ 70°C
- Operating Humidity: 10% ~95%, non-condensing
- Dimensions: 142.09 mm x 26.37 mm

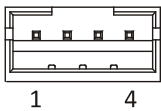
All the utility for the iUCOM-4D are available on IEI Resource Download Center. Type iUCOM-4D and press Enter to find all the relevant software, utilities, and documentation. To install software from the downloaded ISO file, mount the file as a virtual drive to view its content.

IEI Resource Download Center

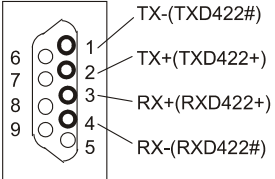
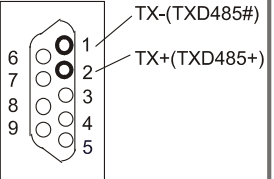
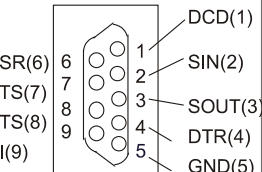
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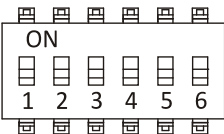
Connector Pinouts

CN1: USB connector (4-pin, p=2.0 mm)					
Pin	Description	Pin	Description		
1	GND	3	USB_DATA-		
2	USB_DATA+	4	VCC5V		

COM1, COM2, COM3, COM4: External RS-232/422/485 connectors					
Pin	Description	Pin	Description		
1	DCD	6	DSR		
2	SIN	7	RTS		
3	SOUT	8	CTS		
4	DTR	9	RI		
5	GND				

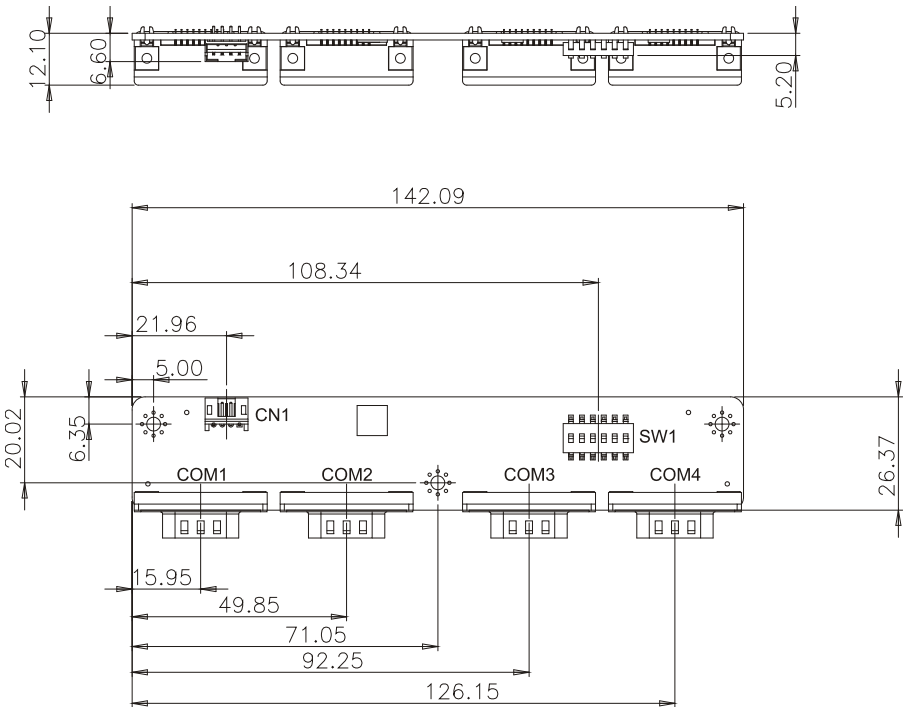
<p>RS-422</p>  <p>D-SUB 9PIN MALE MODE 00</p>	<p>RS-485</p>  <p>D-SUB 9PIN MALE MODE 10/11</p>	<p>RS-232</p>  <p>D-SUB 9PIN MALE MODE 01</p>
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SW1: COM port mode switch						
SW1 Pin	COM 1 & COM2			COM3 & COM4		
	1	2	3	4	5	6
RS232	on	on	off	on	on	off
RS422	off	off	off	off	off	off
RS485	off	on	off	off	on	off



Use pin 1~3 to control COM1 + COM2; use pin 4~6 to control COM3 + COM4. The mode of these two sets of COM ports can be setup separately. For example: COM1&2 as RS232 and COM3&4 as RS485, set to: on-on-off-off-on-off.

Board Layout & Connector Locations



(Unit: mm)