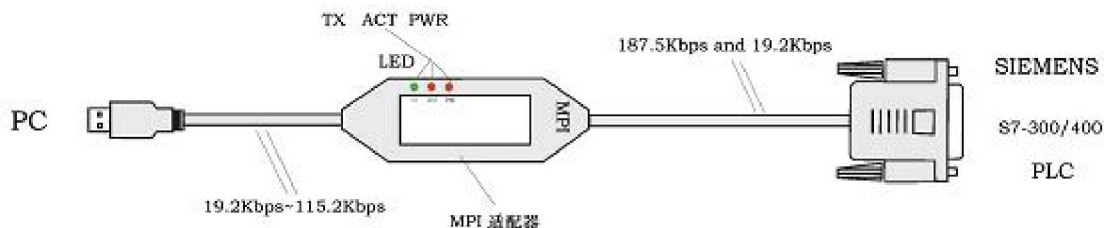


## PC MPI-USB ISOLATED (V5.3) FOR S7-300/400

### Description:

USB/MPI (Isolated) Cable (product order number is: 6ES7 972-0CB20-0XA0) adapter, USB to RS485 interface to achieve level conversion and USB to MPI (Multi-Point Interface) protocol conversion for connecting Siemens S7-300/400 series PLC's MPI port (RS485) and PC's USB port. The adapter will be through internal ASIC chip into a standard USB virtual RS232 port for USB conversion to the MPI protocol.

USB/MPI Isolated Cable V5.3 is designed for optical isolation for industrial-type adapter, the USB port and RS485 port are equipped with surge protection and lightning protection *circuits can be any hot plug for Siemens S7-300/400 with a full line of PLC and other MPI interface device*, particularly suitable for fragile communication port interferences industrial site, a variety of circuit protection measures to ensure the safe operation of the system.



### Characteristics and main technical parameters:

- Power: 24VDC by the PLC's MPI port, and USB powered, respectively, power is about 1W, with Over Current protection, and surge protection.
- Isolation Voltage: 2500VDC 【only ISO (Isolated Cable) type has】
- RS485 port with 600W lightning protection and Over Current protection.
- USB virtual RS232 port baud rate: 19.2Kbps ~ 115.2Kbp standard baud rate auto adaptation.
- MPI terminal baud rate: 187.5Kbps and 19.2Kbps automatically adapt.
- With working status light, data reception and data transmission indicator light.
- Operating temperature: -20 ~ 75 °C
- Cable length: 3M

SIEMENS SIMATIC S5, S7 PLC (USED & NEW) AND ACCESSORIES CONTACT US:

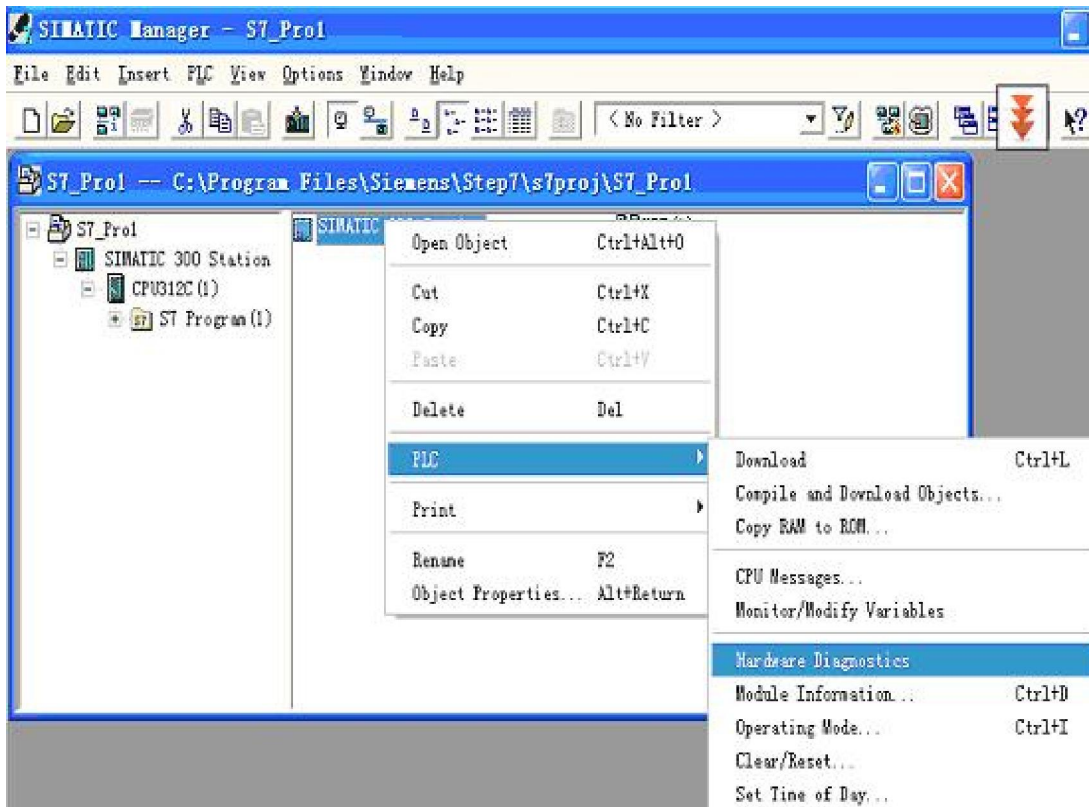
[WWW.PS-UNION.COM](http://WWW.PS-UNION.COM) , E-MAIL:SALES@PS-UNION.COM

TEL: (662)9311994-5 , FAX: (662)9311989

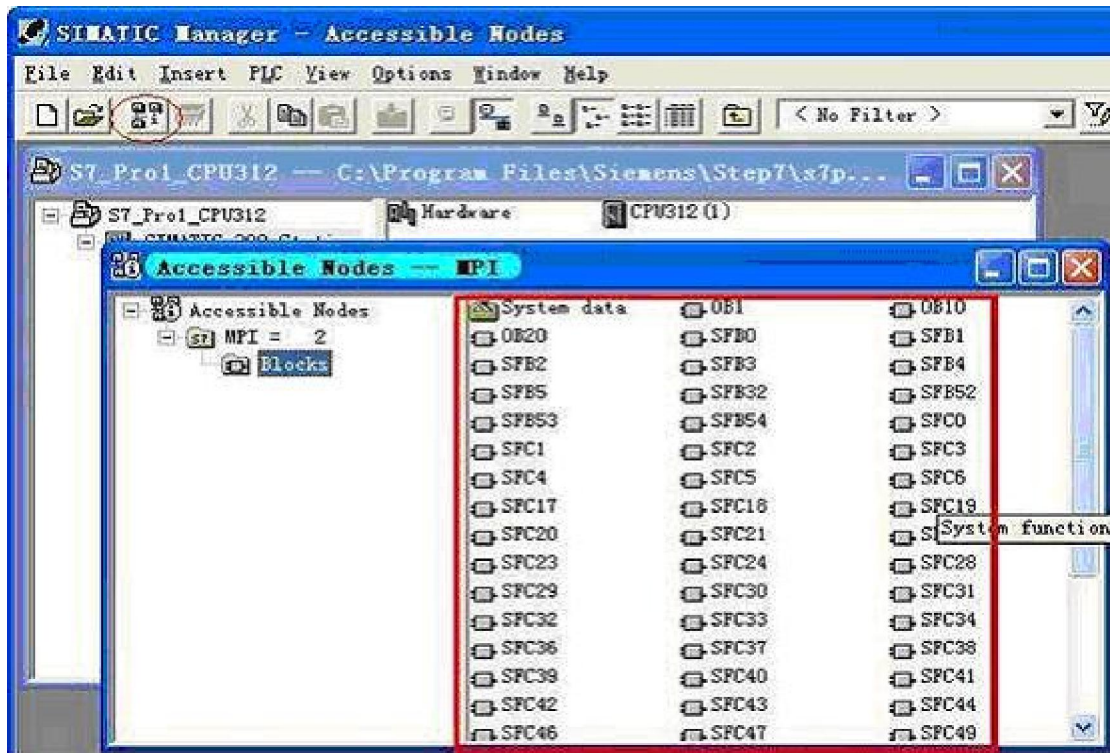
## STEP7 software settings:

STEP7 programming software to enter the main interface (SIMATIC Manager), click on "Options" menu under "Set PG/ PC Interface ... .." option into the PG / PC interface settings.

- Double-click the "PC Adapter (MPI)" into the RS232 and the MPI interface parameter settings. *The adapter does not support the "PC Adapter (PROFIBUS)" option.*
- Click the "Local Connection" option is set RS232 interface parameter, correct choice of USB/MPI Connect the computer USB virtual COM port (RS232), Select the RS232 communication baud rate 19200bps or 38400 bps can, USB/MPI (Isolated) Cable Adapter will automatically adapt to the selected baud rate.
- Click the "MPI" MPI Interface option is set adapter parameters can be set to 187.5Kbps or 19.2Kbps baud rate may be, the adapter will automatically meet the PLC's MPI port baud rate. Other parameters to default.
- PLC CPU test: Right-click as shown in the "Hardware diagnostics" key, the screen will pop-up CPU Model



- Online tests can access node: click the main menu interface, as shown in the red circle button appears in the red box in the data graph, then the line tested, thus set, the line can be online, the program upload, download, monitoring, etc. operation.



- Short-range extension: In the short range communication environment, MPI-side or from the side with a one-way RS232 extended use of welding.
- Long-distance communication

The adapter's RS485 port (MPI) at 187.5Kbps baud rate lower maximum communication distance of 1,000 meters, time required between the RS485 port of 7,2 feet separate access 24VDC power supply (Note: 7 feet for the power supply positive) from more than 1000 meters can be installed in the bus RS485 repeaters to extend the communication distance.

**Note:**

- The USB adapter is a virtual COM Port, we must correctly select the corresponding COM USB port.
- Part of the pre-PC-USB port, no shield enclosure, then plug into the rear USB host port, USB port so as to avoid interruption caused by site disturbance.
- Principle allows for USB extension cable, unless you have a USB 2.0 or more high-quality shielded cable.

**Order Information:**

USB/MPI Cable V5.3 Siemens MPI programming S7-300/400 Universal Cable.

USB/MPI Isolated Cable V5.3 Siemens (Opto-isolated) general purpose S7-300/400 MPI programming cable.

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