

# isDNet USB

## DeviceNet USB Interface

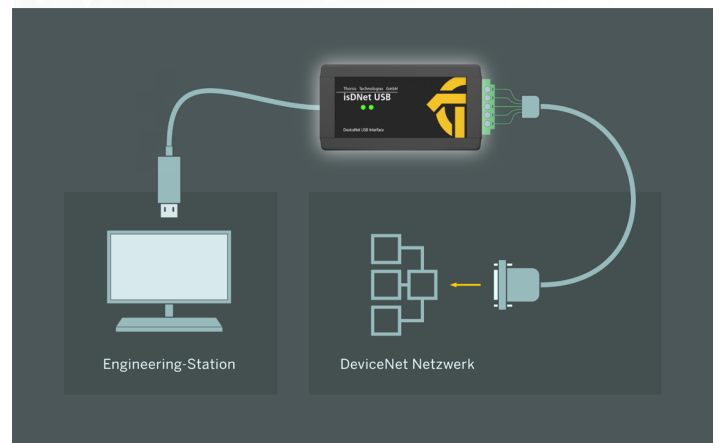
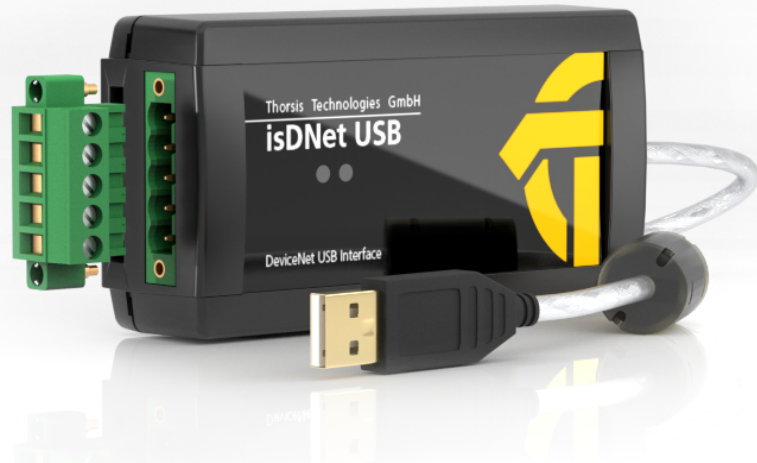


The Interface isDNet USB provides a communication link between a desktop computer or PC notebook and a Device Network. The PC can be connected with the Device Network using the USB plug & play features. Realtime data of the field devices are available for operational areas, e.g. mobile data acquisition and parameterization.

The interface is not dependent on external power supplies. The processor and its periphery are powered by the USB bus. The transceiver is galvanic decoupled, its supply results from the DeviceNet Bus.

The interface supports the DeviceNet Standard Version 2.0. Its connector cable comes with a 5-pin connector. The DeviceNet Stack works alternative or in parallel as Master (and IO scanner) or Slave.

The scanner allows a dynamic change of the slave list, which means while the DeviceNet is working slave devices can be added to or eliminated from the scan list. The cyclic time of the the scan can be set as required by the system. The „Explicit Messaging“ functionality is performed employing asynchronous command and event queues. Thus any data lengths can be transmitted.



### Technical data

Connector	DeviceNet (COMBICON 5-pin), USB 2.0
Controller	Asic SJA1000, CY7C68014A
Transmission rate	125 kbit/s, 250 kbit/s, 500 kbit/s; Full Speed: 12 Mbit/s; High Speed: 480 Mbit/s
Driver software	Windows 7, 8, 10 and 11
Available software	DNet CommDTM (FDT)