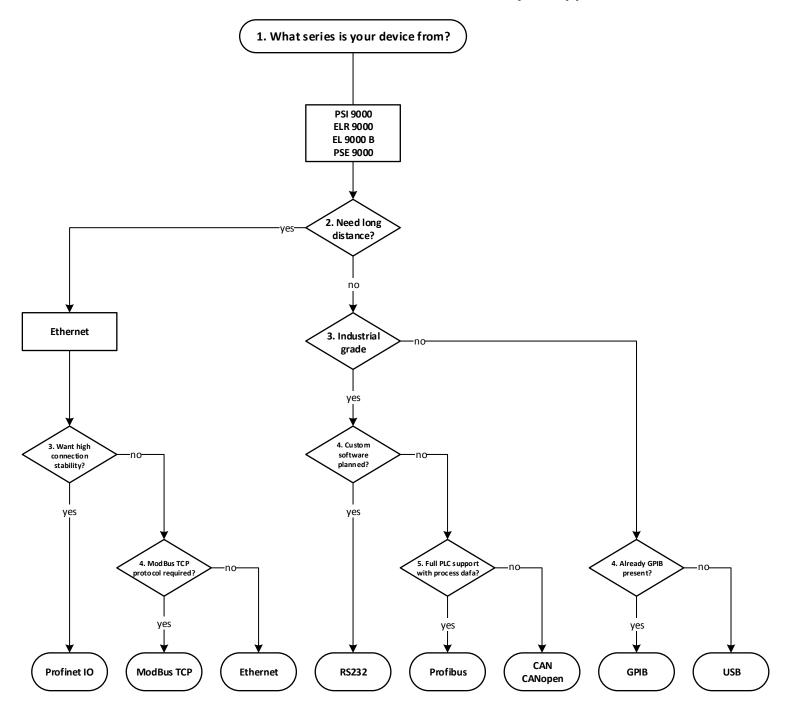
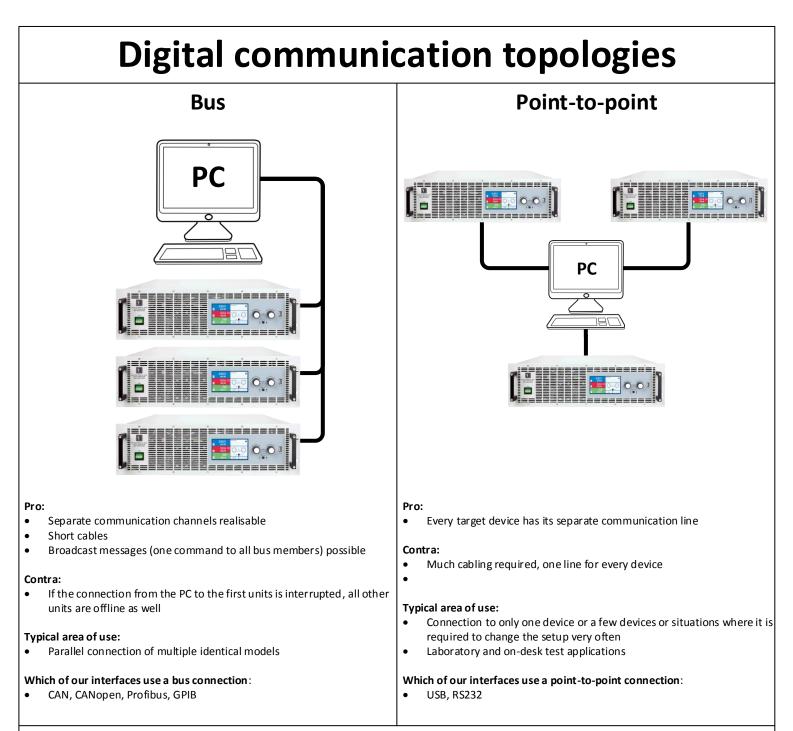
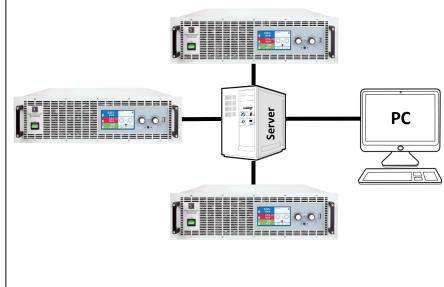
# How to find the best remote control interface for your application?



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	CAN	CANopen	Ethernet	ModBus TCP	Profibus Profinet IO	RS232	GPIB
Face							
Specs	<ul> <li>Type: Bus</li> <li>10 kBit – 1 MBit</li> <li>CAN 2.0 A &amp; 2.0 B</li> <li>Integrated bus termination</li> <li>DBC files</li> <li>Cyclic data</li> </ul>	<ul> <li>Type: Bus</li> <li>10 kBit – 1 MBit</li> <li>CANopen standard</li> <li>EDS/XDD file</li> <li>Customisable database</li> </ul>	<ul> <li>Type: Network</li> <li>10/100 MBit</li> <li>TCPIP, HTTP, ICMP</li> <li>Website with control functions</li> <li>1 or 2 port version</li> <li>Integrated switch (2 port version)</li> </ul>	<ul> <li>Type: Network</li> <li>10/100 MBit</li> <li>TCPIP, HTTP, ICMP</li> <li>Website with control functions</li> <li>Supports ModBus TCP frame</li> <li>1 or 2 port version</li> <li>Integrated switch (2 port version)</li> </ul>	Profinet: • Type: Network • 1 or 2 port version • Integrated switch (2 port version) Profibus: • Type: Bus • Up to 12 Mbit	• Type: P2P • 9600 – 115200 Bd • No handshaking	<ul> <li>Type: P2P</li> <li>Parallel bus</li> <li>IEE 488 standard</li> <li>Built-in</li> </ul>
Pro	<ul> <li>Industrial grade</li> <li>High data speed</li> <li>Medium distance</li> <li>Bus topology</li> <li>Exchangeable with other interfaces</li> </ul>	<ul> <li>Industrial grade</li> <li>High data speed</li> <li>Medium distance</li> <li>Bus topology</li> <li>Exchangeable with other interfaces</li> </ul>	<ul> <li>High data speed</li> <li>Long distance</li> <li>Network topology</li> <li>Exchangeable with other interfaces</li> <li>SCPI supported</li> <li>LabView supported</li> <li>Plug 'n play</li> </ul>	<ul> <li>High data speed</li> <li>Long distance</li> <li>Network topology</li> <li>Exchangeable with other interfaces</li> <li>Easy ModBus network integration</li> <li>Plug 'n play</li> </ul>	<ul> <li>Industrial grade</li> <li>High data speed</li> <li>Medium distance</li> <li>Bus topology</li> <li>Exchangeable with other interfaces</li> <li>PLC compatible</li> </ul>	<ul> <li>Medium distance</li> <li>Exchangeable with other interfaces</li> <li>SCPI supported</li> <li>LabView supported</li> <li>Low costs</li> </ul>	<ul> <li>SCPI supported</li> <li>Very easy setup and integration</li> <li>Unified support of different devices</li> </ul>
Contra	<ul> <li>No plug 'n play on PC side</li> <li>CAN software required</li> <li>High overall costs</li> </ul>	<ul> <li>No plug 'n play on PC side</li> <li>CANopen software required</li> <li>High overall costs</li> </ul>	<ul> <li>Typical network issues</li> <li>Complicated setup</li> </ul>	<ul> <li>ModBus TCP software required</li> <li>Typical network issues</li> <li>Complicated setup</li> </ul>	<ul> <li>No plug 'n play on PC side</li> <li>Extra software required</li> <li>High overall costs</li> </ul>	<ul> <li>Low data speed</li> <li>One RS232 port required per device</li> <li>No bus, no network</li> </ul>	<ul> <li>Short distance</li> <li>Very high costs</li> <li>Built-in</li> <li>Complicated cable system</li> </ul>





#### Pro:

- Very long distances
- Many devices easily integrateable
- Low costs

### Contra:

- Very much cabling
- Communication and reliability is very much depending on network hardware like switches or patch panels

### Typical area of use:

Parallel connection of multiple identical models or test applications of single devices with direct connection to PC or local network switch

## Which of our interfaces use a network connection:

Ethernet, Profinet IO, ModBus TCP

**Note:** Ethernet interfaces with 2 port incorporate a network switch and can turn a network line into a bus with open end or, for higher dropout safety, into a ring. No matter how many devices are connected in that bus/ring, at the point where they are connected to the network, it requires a max. of two ports on a higher level switch.