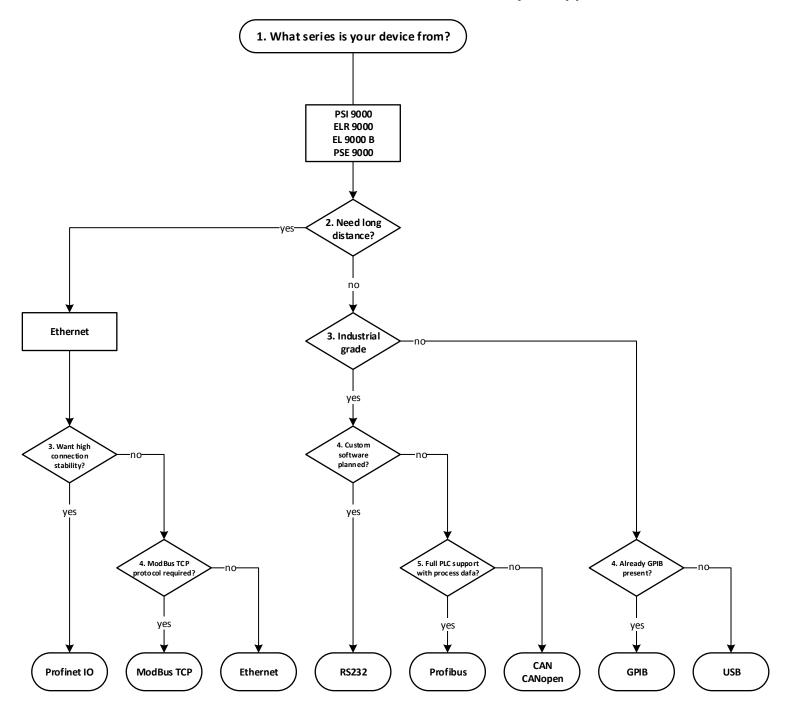
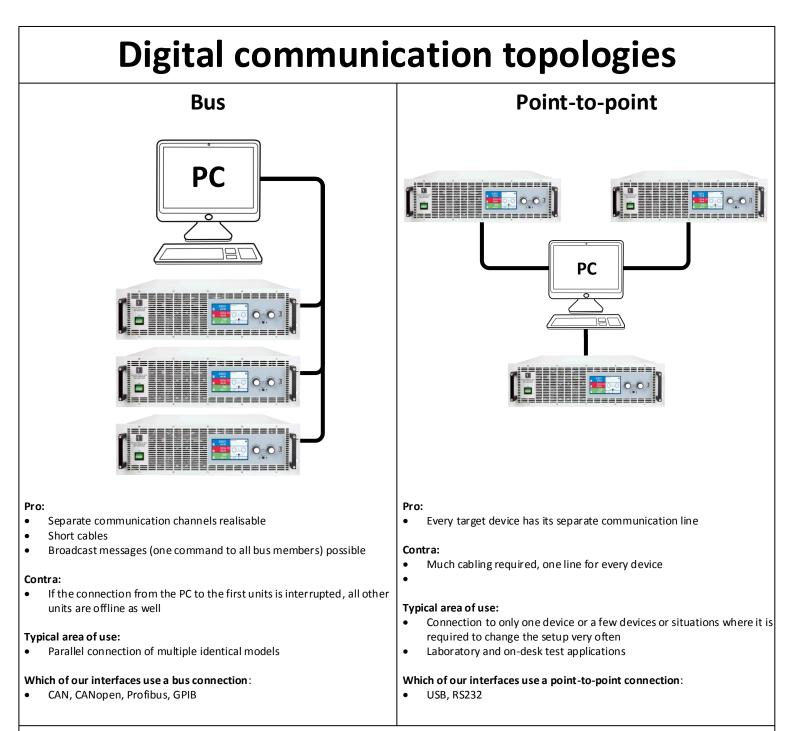
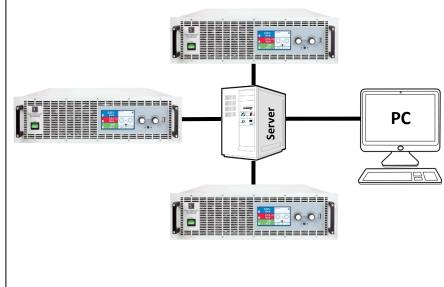
How to find the best remote control interface for your application?



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





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.