

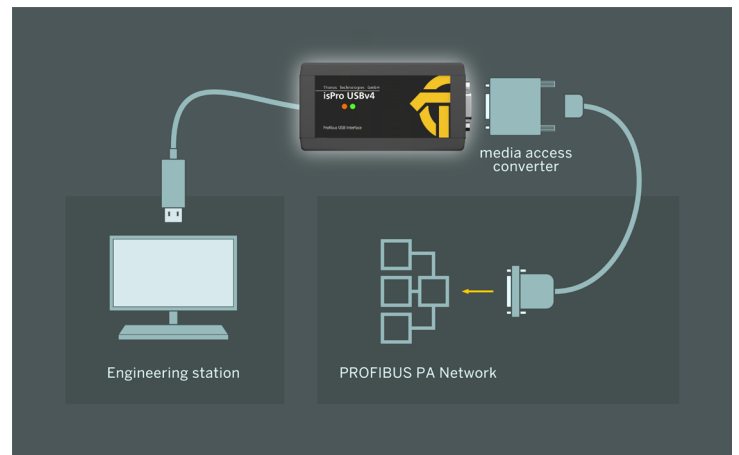
isPro USBv4

PROFIBUS USB Interface



The isPro USBv4 is the successor of isPro USBx12. It is compatible with the isPro USBx12. This interface is optionally available with an isFF/PA MAU media access converter, with which it can be connected to a PROFIBUS PA network.

Desktop PCs, as well as notebook devices, can be connected to a PROFIBUS fieldbus within seconds based on the plug & play features of USB. Operational areas are mobile set up and configuration of field devices. More more complex operations the parallel use of up to 16 PROFIBUS USB adapters connected to one PC is also possible. The adapters are USB bus powered and are not dependent on external power connections. The interface supports the Master functionality of the PROFIBUS Standard DP (class 1 and 2) and DP/V1 (class 2). Its high transmission rate of up to 12 Mbit/s is of special interest for fast application in the manufacturing process like drive set-up and diagnosis. To guarantee short cycle times and low latency, the PROFIBUS firmware is running on a dedicated Microcontroller. A Dual Ported RAM decouples the firmware from the performance of the PC.



Interface	isPro USBv4
Controller	Motorola Coldfire
Flash	256 kByte
RAM	256 kByte
Connector	1 RS-485
Fieldbus protocols	PROFIBUS DP-(KI.1 + 2) und DP-V1- Master (KI.2), DP-Slave, FMS-Master, PROFIBUS PA (optionally)
Transmission rate	9,6 kbit/s ... 12 Mbit/s (DP), 31,25 kbit/s (PA)
Fieldbus supply	22 ... 24V, max. 15 mA
Temperature range	0° C ... 60° C
Dimensions basic device	105 x 54 x 30 mm
Dimensions media access converter)	36 x 35 x 16 mm
Driver software	Windows XP, Vista, Windows 7, 8, 10 and 11
Available software	isPro CommDTM (FDT), isPro MultiServer (OPC)