CU8801, CU8851 | USB extension

The USB specification allows a distance of 5 m between the PC and the USB devices. A further 5 m of cable can be added by using a USB hub. In the construction of machines and plants, larger distances must be bridged without having to insert a USB hub every 5 m. The CU8801 USB Extender sends the 2.0 USB signal via a Cat.5 cable that can be up to 50 m long to the CU8851 USB Extended receiver, which converts the signal back to USB. Data rates of up to 480 Mbit/s can be transmitted. Both USB Extender boxes are designed for DIN rail mounting. The CU8801 transmitter is powered by the PC. The CU8851 receiver has an integrated 24 V DC power supply unit. The USB Extended 2.0 receiver is already integrated into the Control Panels from the CP29xx and CP39xx series.

Technical data	CU8801	USB Extender 2.0 Tx	CU8851	USB Extender 2.0 Rx
Type	USB Extended 2.0 transmitter box	USB Extended 2.0 receiver box
Housing	plastic housing for DIN rail installation	
Interfaces	1 USB input with USB B socket to be connected to the PC in maximum 1 m distance and 1 USB Extended 2.0 output with RJ45 socket for up to 50 m CAT 5 cable	1 USB Extended 2.0 input with RJ45 socket for up to 50 m CAT 5 cable and 1 USB output with USB A socket to be connected to an USB device in maximum 5 m distance
USB transfer rate	up to 480 Mbit/s according to USB 2.0	
Protection class	IP 20	
Operating temperature	0…+55 °C	
Dimensions (W x H x D)	34 mm x 98 mm x 77 mm	
Power supply unit	power supply via USB	24 V DC power supply
Approvals/markings	CE, ATEX, IECEx	CE
Ex-Marking	II 3 G Ex nA IIC T4 Gc II 3 D Ex tc IIIC T135 °C Dc Ex nA IIC T4 Gc Ex tc IIIC T135 °C Dc	
Additional Information	–	quick error analysing with diagnostic LEDs

Related products	
CU8800-0010	USB Extender 1.1 Tx for CP69xx and CP79xx
CU8850	USB Extender 1.0 Rx