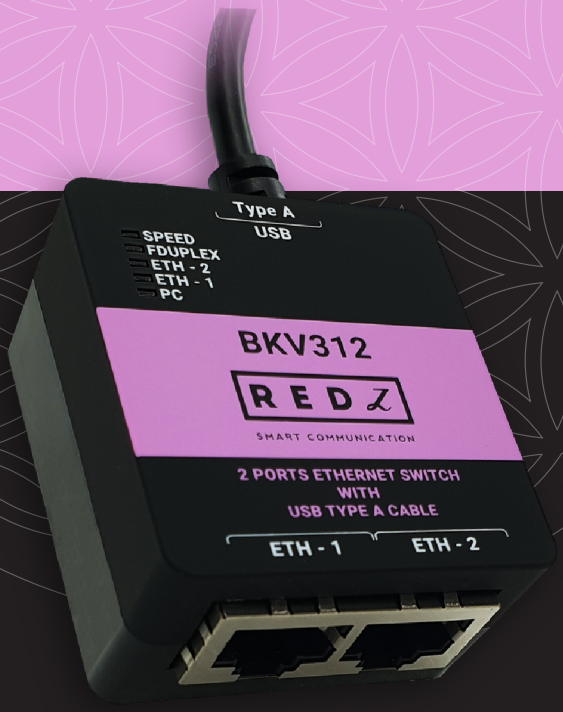
REDZ
SMART COMMUNICATION

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BKV Series USB to Ethernet Switches

Two Ethernet ports on one USB cable

- Connects field devices over an existing LAN or by direct connection
- 2 ports 10/100 Ethernet with full duplex support
- USB Type A or Type C cable, 3 m



The BKV Ethernet switches give a PC two 10/100 Ethernet ports over USB, to connect field devices over an existing LAN or by direct connection.

Main Functions

1. **Two ports:**
   2 ports 10/100 Ethernet with full duplex support.
2. **Standards:**
   IEEE 802.3 and 802.3u, 10BASE-T and 100BASE-TX.
3. **USB 2.0:**
   high speed (480 Mbps) and full speed (12 Mbps).
4. **One link to the PC:**
   both Ethernet ports share one 10/100 connection.
5. **USB cable, 3 m:**
   Type A or Type C cable, chosen by model.

Key Figures

2 x 10/100
Ethernet ports, full duplex

480 Mbps
USB 2.0 high speed (full speed 12 Mbps)

3 m
USB cable, Type A or Type C

0 to 70 C
operating temperature

What it does

- Adds two 10/100 Ethernet ports to a PC over a USB cable.

What it shows

- PC lights when the switch is connected by USB and powered up; ETH 1 and ETH 2 light when the port is used and there is data activity.
- SPEED and FDUPLEX show the speed and duplex of the link inside the switch, not of the Ethernet ports.

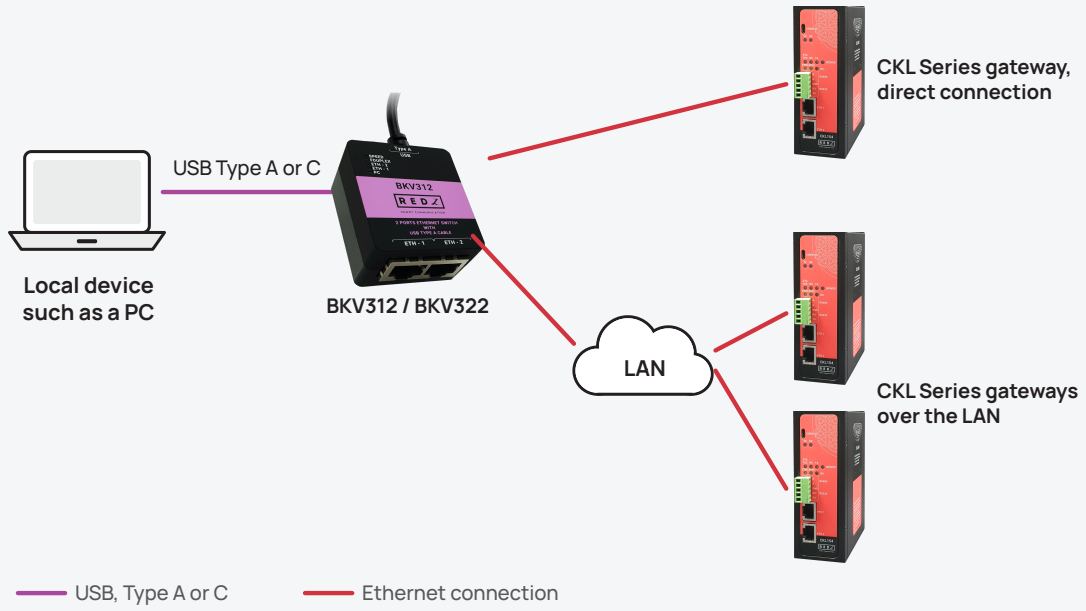
What it is for

- Opening the web interface of field Ethernet devices, directly or over the LAN.
- Connecting field devices to a local PC, over an existing LAN or directly.

Technical Data

	BKV312 USB Type A cable	BKV322 USB Type C cable
USB cable	USB Type A, 3 m cable	USB Type C, 3 m cable
USB	USB 2.0 high speed (480 Mbps) and full speed (12 Mbps)	
Ethernet ports	2 ports 10/100 Ethernet with full duplex support	
Standards	IEEE 802.3 / 802.3u, 10BASE-T and 100BASE-TX	
Link to the PC	Both Ethernet ports share one 10/100 connection to the PC	
Power	From the host USB port only	
LEDs	SPEED, FDUPLEX, ETH 1, ETH 2, PC; SPEED and FDUPLEX show the speed and duplex of the internal link	
Operating temperature	0 to 70 C	
Dimensions	Approx. 43 x 48 x 26.5 mm (without cable)	
Enclosure	ABS, black	

Typical Application



Typical application: a PC connects field devices over its existing LAN and / or by direct connection through the two Ethernet ports.

Connect and Use

1. Connect the USB cable to the PC and complete the installation of the driver.
2. Connect the Ethernet ports to the field Ethernet devices, or to a LAN switch.
3. Use the web interface to access the devices in the field.
4. Check the LEDs: PC shows the USB connection and power, ETH 1 and ETH 2 show port use and data activity.

Ordering Information

BKV312: USB to 2 Port Ethernet Switch With USB Type A Cable

BKV322: USB to 2 Port Ethernet Switch With USB Type C Cable