



# BLACK BOX®

**Part number: EMD100USB-R**

**Description:** KVM-OVER-IP SWITCHABLE EXT RX - LAN, (4) USB A, (1) RJ45, 4-PORT



## **Emerald® USB 2.0 Switchable Extender – LAN, 4 Port**

- Switch between high-speed USB 2.0 devices over an IP network.
- Supports full-speed USB 2.0 up to 480 Mbps.
- Supports simultaneous USB sharing that improves collaboration.
- Connect to an Emerald KVM system to automatically switch when the target changes.
- Features four USB ports that support USB devices, including USB hubs.
- Warranty: 1 Year Double Diamond™ Warranty (Standard)

## Technical Data

### Approvals —

Regulatory testing: FCC (Class B), CE (Class B), RoHS2 (CE)

### Distance —

Direct connect: Up to 100 m over solid-core CAT5e/6/7 cable

Network connect: Up to 100 m over solid-core CAT5e/6/7 cable;

One local to seven remote pairings supported for Simultaneous Users Interaction.

### Connectors —

Local unit:

(1) USB Type B,

(1) RJ-45 link

Remote unit:

(4) USB Type A,

(1) RJ-45 link

### Power —

Input: 100/240 VAC, 50–60 Hz 24 VDC, 1 A

One power supply is included for remote unit. Local unit derives power from the USB interface.

Power available to USB device at remote unit:

Up to 2.4 A total among the ports, 600 mA at each USB port concurrently,

1 A max. per port when two or less being used

Consumption:

Local unit: 200 mA maximum;

### Temperature —

Operating: 0 to 50° C, Storage: -20 to 70° C

**Relative Humidity —** 20 to 80% non condensing

**Dimensions —**

Each unit: 9.9H x 7.6W x 2.5D cm (3.9"H x 3"W x 1"D)

**Enclosure —** Black anodized aluminum