

## Blackmagic Ethernet Switch 820



The Blackmagic Ethernet Switch 820 is designed for advanced broadcast systems. It delivers high performance with low latency and all connections are on the rear, keeping cables neat, hidden and secure. You get 8 x 100G and 2 x 10G Ethernet connections plus simple front panel SMPTE-2110 routing. The professional front-to-back cooling design is also very quiet! For advanced systems, it has two redundant PTP clock Ethernet connections, a separate NMOS control port and a dedicated management port.

**\$2,525**

### Connections

#### 100G Ethernet Ports

8 x 100G QSFP28 connections.

#### 10G Ethernet Ports

2 x 10G RJ45 connections.

#### Control Network

1 x 1G RJ45 for NMOS control.

#### Management Network

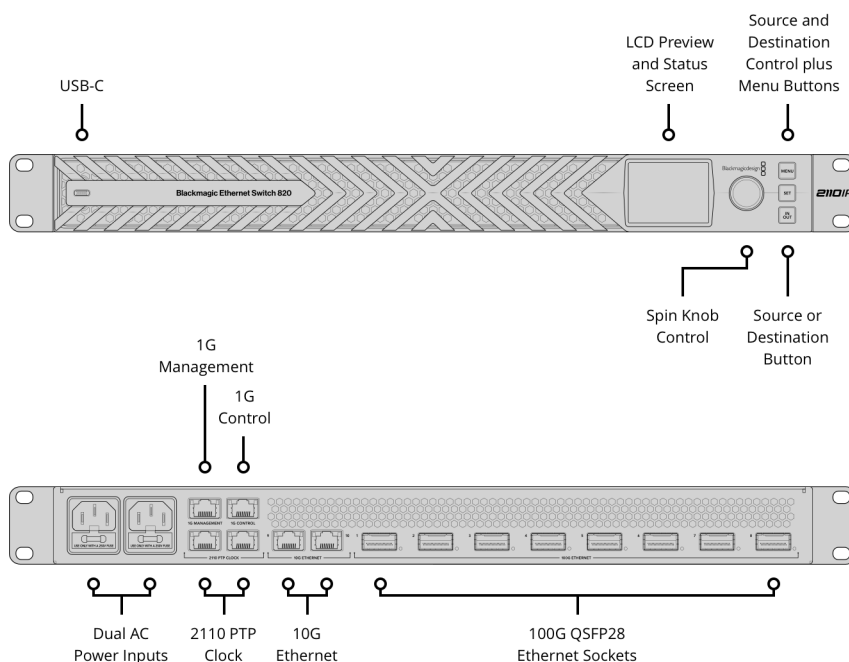
1 x 1G RJ45 for configuration and firmware updates.

#### Reference Network

2 x RJ45 Ethernet for 2110 PTP clock.

#### Power

2 x IEC C14 power inputs.



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## IP Video Compliance

### Precision Time Protocol

IEEE 1588-2008 (PTP v2)  
ST 2059-1  
ST 2059-2

### NMOS IS-04 Discovery and Registration

v1.3.2  
Peer-to-peer via mDNS/DNS-SD

### NMOS IS-05 Connection Management

v1.1.2

### NMOS BCP-002-01

Natural Grouping

### NMOS BCP-004-01

Receiver capabilities

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## Displays

### Front Panel Display

Built in 2.2 inch LCD for monitoring video, audio, video standard and timecode plus menu settings. Use search dial to scrub between all available inputs and monitor on front panel.

### 2110 IP Monitor Out Sender

Displays Ethernet Switch custom name, link speed and live data transfer graph for each port.

### 2110 IP Monitor Out Standards

1080p50, 1080p59.94, 1080p60

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## Control

### Built in Control Panel

2.2 inch color display, 3 button control panel and spin knob for source and destination setup and menu settings.

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## Operating Systems



Mac 15.0 Sequoia,  
Mac 26.0 Tahoe or later.



Windows 10, 64-bit.  
Windows 11.

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## Power Requirements

### Power Supply

2 x 100 - 240V AC 50/60Hz internal power supplies.

### Power Input

2 x IEC C14 sockets.

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**Power Usage**  
TBC

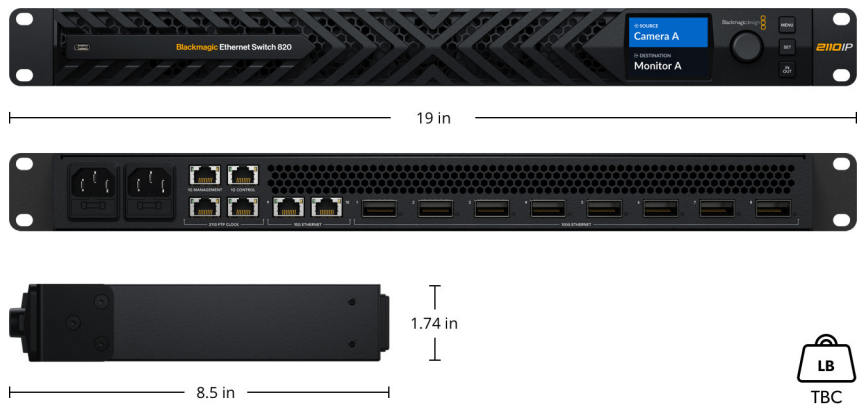
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**Physical Installation**

1 rack unit.

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**Physical Specifications**



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**Environmental Specifications**

**Operating Temperature**  
5° to 40° C (41° to 104° F)

**Storage Temperature**  
-20° to 45° C (-4° to 113° F)

**Relative Humidity**  
0% to 90% non-condensing

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**What's Included**

Blackmagic Ethernet Switch 820  
Welcome wallet with QR code for software download

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**Warranty**

1 Year Limited Manufacturer's Warranty.

Blackmagic Design Authorized Reseller