



## Introduction

The BYOD-8200 is a high-performance BYOD presentation switcher with wire and wireless presentation capabilities. It equips built-in Wi-Fi module and supports multiple access approaches, including Airplay Mirroring, Miracast, physical interfaces (HDMI, VGA and USB-C) and USB Dongle, with which you can project screen contents of your computer (Mac/Windows) or mobile device (iPhone/iPad/Android) to a display in Multiview mode. Multiple features like fast seamless switching, auto signal switch, serial control, CEC, Guide Screen, OSD display, USB switching and extension are included. The switcher is a collaboration terminal used for meeting room or workgroup discussion.

## Features

- Multiview presentation with configurable screen layout.
- Supports wireless connectivity over Airplay, Miracast and USB Dongle.
- Fast seamless switching for both single view and Multiview.
- Supports HDMI input resolutions up to 4K@30Hz 4:4:4.
- Supports HDMI output resolutions up to 4K@60Hz 4:4:4.
- Detailed and friendly OSD information.
- Supports USB extension and switching control among three USB hosts.
- Offers multiple control approaches: front panel buttons, Web UI and Telnet API.
- Multiview layout adjustable by the end user.

## Specification

Technical	
Input Video Port	1 x VGA; 2 x HDMI; 1 x USB-C; 1 x LAN, 10/100/1000 Mbps Ethernet; 1 x WLAN
Input Resolutions	<ul style="list-style-type: none"> <li>• <b>VGA:</b> 640x480<sup>8,9</sup>, 720x480<sup>8</sup>, 720x576<sup>6</sup>, 800x600<sup>8</sup>, 1024x768<sup>8,9</sup>, 1280x720<sup>7,8</sup>, 1280x800<sup>8</sup>, 1280x1024<sup>8,9</sup>, 1360x768<sup>8</sup>, 1366x768<sup>8</sup>, 1400x1050<sup>8</sup>, 1440x900<sup>8</sup>, 1600x900<sup>8</sup>, 1600x1200<sup>8,9</sup>, 1920x1080<sup>6,8</sup></li> </ul>

Technical	
	<ul style="list-style-type: none"> <li> <b>HDMI/USB-C:</b>  640x480<sup>8</sup>, 800x600<sup>8</sup>, 1024x768<sup>8</sup>, 1280x768<sup>8</sup>, 1280x800<sup>8</sup>, 1280x1024<sup>8</sup>,  1360x768<sup>8</sup>, 1366x768<sup>8</sup>, 1440x900<sup>8</sup>, 1400x1050<sup>8</sup>, 1600x1200<sup>8</sup>,  1680x1050<sup>8</sup>, 1920x1200<sup>8</sup>, 720x480<sup>8</sup> (480p), 720x576<sup>6</sup> (576p),  1280x720<sup>5</sup> (720p30), 1280x720<sup>6</sup> (720p50), 1280x720<sup>8</sup> (720p60),  1920x1080<sup>2</sup> (1080p24), 1920x1080<sup>3</sup> (1080p25), 1920x1080<sup>5</sup> (1080p30),  1920x1080<sup>6</sup> (1080p50), 1920x1080<sup>8</sup> (1080p60), 3840x2160<sup>5</sup> (2160p30) </li> <li> <b>LAN/WLAN:</b> Up to 1920x1080<sup>8</sup> (1080p60)  Note: The input resolution support for LAN or WLAN may vary according to the specific BYOD protocols and devices.  1 = at 23.98 Hz, 2 = at 24 Hz, 3 = at 25 Hz, 4 = at 29.97 Hz, 5 = at 30 Hz, 6 = at 50 Hz, 7 = at 59.94 Hz, 8 = 60 Hz, 9 = 75 Hz </li> </ul>
Output Video Port	2 x HDMI
Output Resolutions	<b>For HDMI OUT 1:</b> 720x480 <sup>8</sup> (480p60), 720x576 <sup>6</sup> (576p60), 640x480 <sup>8</sup> , 800x600 <sup>8</sup> , 1024x768 <sup>8</sup> , 1280x1024 <sup>8</sup> , 1366x768 <sup>8</sup> , 1440x900 <sup>8</sup> , 1280x800 <sup>8</sup> , 1680x1050 <sup>8</sup> , 1920x2160 <sup>5</sup> , 1600x1200 <sup>8</sup> , 1920x1200 <sup>8</sup> , 2560x1440 <sup>5</sup> , 2560x1440 <sup>8</sup> , 1280x720 <sup>6</sup> (720p50), 1280x720 <sup>8</sup> (720p60), 1920x1080 <sup>6</sup> (1080i50), 1920x1080 <sup>8</sup> (1080i60), 1920x1080 <sup>2</sup> (1080p24), 1920x1080 <sup>3</sup> (1080p25), 1920x1080 <sup>5</sup> (1080p30), 1920x1080 <sup>6</sup> (1080p50), 1920x1080 <sup>8</sup> (1080p60), 3840x2160 <sup>2</sup> (2160p24), 3840x2160 <sup>3</sup> (2160p25), 3840x2160 <sup>5</sup> (2160p30), 3840x2160 <sup>6</sup> (2160p50), 3840x2160 <sup>8</sup> (2160p60) <b>For HDMI OUT 2:</b> Up to 1920x1080 <sup>8</sup> (1080p60) 1 = at 23.98 Hz, 2 = at 24 Hz, 3 = at 25 Hz, 4 = at 29.97 Hz, 5 = at 30 Hz, 6 = at 50 Hz, 7 = at 59.94 Hz, 8 = 60 Hz, 9 = 75 Hz
Input Audio Port	2 x HDMI, 1 x USB-C, 1 x LAN, 1 x Analog Audio, 1 x WLAN
Input Audio Format	RAW PCM, 16 bit, 32/44.1/48KHz sps; PCM 2.0
Output Audio Port	2 x HDMI, 1 x Analog Audio
Output Audio Format	RAW PCM, 16 bit, 32/44.1/48KHz sps; PCM 2.0
Control Method	Front panel buttons; Web UI; Telnet API/CLI
Wi-Fi	
Standard	IEEE 802.11 a/b/g/n/ac
Frequency	Dual bands, 2.4~2.4835GHz, 5.0~5.8GHz
Throughout	2T x 2R, up to 867Mbps
Security	WEP, TKIP, AES, WPA, WPA2
General	
Operating Temperature	0°C to 45°C (32°F to 113°F)
Storage Temperature	-20°C to 70°C (-4°F to 158°F)
Humidity	10% to 90%, non-condensing
ESD Protection	Human-body Model: ±8kV (Air-gap discharge)/ ±4kV (Contact discharge)
Power Supply	12 V 1 A DC
Power Consumption	20W (Max)
Device Dimension (W x H x D)	215 mm x 42 mm x 140.2 mm / 8.46" x 1.65" x 5.52"
Net Weight	1.0kg/2.2lbs

## Connection diagram

