TIS BYOD-8200

4K Wired Presentation HDMI SwitcherIntroduction

The TIS 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.

4K Wired Presentation HDMI Switcher 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.

4K Wired Presentation HDMI Switcher Technical Parameters

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	· VGA: $640 \times 480^{8,9}$, 720×480^8, 720×576^6, 800×600^8, $1024 \times 768^{8,9}$, $1280 \times 720^{7,8}$, 1280×800^8, $1280 \times 1024^{8,9}$, 1360×768^8, 1366×768^8, 1400×1050^8, 1440×900^8, 1600×900^8, $1600 \times 1200^{8,9}$, $1920 \times 1080^{6,8}$
	· HDMI/USB-C: 640×480^8, 800×600^8, 1024×768^8, 1280×768^8, 1280×800^8, 1280×1024^8, 1360×768^8, 1366×768^8, 1440×900^8, 1400×1050^8, 1600×1200^8, 1680×1050^8, 1920×1200^8, 720×480^8 (480p), 720×576^6 (576p), 1280×720^5(720p30), 1280×720^6 (720p50), 1280×720^8 (720p60), 1920×1080^2 (1080p24), 1920×1080^3 (1080p25), 1920×1080^5 (1080p30), 1920×1080^6 (1080p50), 1920×1080^8 (1080p60), 3840×2160^5(2160p30)
	· LAN/WLAN: Up to 1920×1080^8 (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
Output Video Port	2 x HDMI, 1 x HDBaseT
Output Resolutions	For HDMI OUT 1: 720×480^8 (480p60), 720×576^6 (576p60), 640×480^8, 800×600^8, 1024×768^8, 1280×1024^8, 1366×768^8, 1440×900^8, 1280×800^8, 1680×1050^8, 1920×2160^5, 1600×1200^8, 1920×1200^8, 2560×1440^5, 2560×1440^8, 1280×720^6 (720p50), 1280×720^8 (720p60), 1920×1080^6 (1080i50), 1920×1080^8 (1080i60), 1920×1080^2 (1080p24), 1920×1080^3 (1080p25), 1920×1080^5 (1080p30) , 1920×1080^6 (1080p50), 1920×1080^8 (1080p60), 3840×2160^2 (2160p24) , 3840×2160^3 (2160p25) , 3840×2160^5 (2160p30) , 3840×2160^6 (2160p50) , 3840×2160^8 (2160p60)
	For HDMI OUT 2: Up to 1920×1080^8 (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

4K Wired Presentation HDMI Switcher Connection Diagram