

iShare X400 Pro

Dual-screen BYOM Switcher

Design Spec V1.0

Note: *this design spec is for system integrators*

1. HARDWARE

- The BYOD/BYOM switcher shall have 2x HDMI outputs to connect 2x screens.
- The BYOD/BYOM switcher shall have 1x HDMI 4K local input port.
- The BYOD/BYOM switcher shall have 1x USB-B 3.0 port for Room PC Host.
- The BYOD/BYOM switcher shall have at least 1x TCP/IP port.
- The BYOD/BYOM switcher shall have at 2x TCP/IP port support PoE.
- The BYOD/BYOM switcher shall have GPI ports.
- The BYOD/BYOM switcher shall have RS232 ports.
- The BYOD/BYOM switcher shall have 1x 3.5mm audio output.
- The BYOD/BYOM switcher shall have 2x USB-A 2.0 ports for touch screen control.
- The BYOD/BYOM switcher shall have 3x USB-A 3.0 and 1x USB-C for devices connection.
- The BYOD/BYOM switcher shall have 1x USB-A 2.0 and 1x USB-C 2.0 for dongle pairing.
- The BYOD/BYOM switcher shall have 1x USB switch button.
- The BYOD/BYOM switcher shall have 1x Power Standby button.
- The BYOD/BYOM switcher shall have 1x reset button.
- The BYOD/BYOM switcher shall have 1x Kensington lock.

2. FEATURES

- The BYOD/BYOM switcher shall support 2x HDMI outputs enabling content sharing from same source or different sources.
- The BYOD/BYOM switcher shall support 1x 4K60 and 1x HD screens connection.
- The BYOD/BYOM switcher shall support up to 4 sources shared in a single screen
- The BYOD/BYOM switcher shall support 1080P wireless sharing from Airplay, Miracast, Chromecast, or iShareX App.
- The BYOD/BYOM switcher shall support ultrasonic and Bluetooth near-field discovery technology.
- The BYOD/BYOM switcher shall support working with both 1080P and 4K wireless transmitter.
- The BYOD/BYOM switcher shall support 1x 4K HDMI local input.
- The BYOD/BYOM switcher shall support 1x USB-B port for host PC.
- The BYOD/BYOM switcher shall support USB cam/mic/speaker transmission over WiFi.
- The BYOD/BYOM switcher shall support 2x camera connection and switching.
- The BYOD/BYOM switcher shall support USB devices switching between local USB-B and wireless laptops.
- The BYOD/BYOM switcher shall support display content sharing to remote participant over video conference.
- The BYOD/BYOM switcher shall support 2x LAN ports for network isolating between staff and guest.
- The BYOD/BYOM switcher shall support PoE IEEE 802.3at with LAN port 1.
- The BYOD/BYOM switcher shall support reverse control of sources from touch screen.
- The BYOD/BYOM switcher shall support native annotation and whiteboard tools with both outputs.
- The BYOD/BYOM switcher shall support analogue audio extraction on stereo unbalanced 3,5mm jack connector.
- The BYOD/BYOM switcher shall support One channel RS232 can control 3rd party devices or be controlled.
- The BYOD/BYOM switcher shall support API commands for RS232 and Telnet control.



- The BYOD/BYOM switcher shall support powerful and intuitive web control interface.
- The BYOD/BYOM switcher shall support GPI control interfaces with customizable function.
- The BYOD/BYOM switcher shall support data transmitted are encrypted with RSA & AES.
- The BYOD/BYOM switcher shall support AES WPA PSK, WAP2 PSK.
- The BYOD/BYOM switcher shall support LAN EAP certification.
- The BYOD/BYOM switcher shall support customization with home screen page.
- The BYOD/BYOM switcher shall support OTA (on-the-air) firmware upgrade.
- The BYOD/BYOM switcher shall support digital signage streaming.
- The BYOD/BYOM switcher shall support wired and wireless BYOD (Bring Your Own Device).
- The BYOD/BYOM switcher shall support wired and wireless BYOM (Bring Your Own Meeting).
- The BYOD/BYOM switcher shall support both HDMI and USB-C wireless dongles.
- The BYOD/BYOM switcher shall support both HD and 4K wireless mirroring.
- The BYOD/BYOM switcher shall support wired 4K HDMI input connection.
- The BYOD/BYOM switcher shall support web GUI management.
- The BYOD/BYOM switcher shall support max. 16x simultaneous source connections.
- The BYOD/BYOM switcher shall support latency 80-120ms.
- The BYOD/BYOM switcher shall support WiFi IEEE802.11b/g/n/ac.
- The BYOD/BYOM switcher shall support HTTPS security.
- The BYOD/BYOM switcher shall support 3x security levels and 1x customized security level.
- The BYOD/BYOM switcher shall support 2.4G and 5GHz bands.
- The BYOD/BYOM switcher shall support Microsoft Teams Room (MTR) or Zoom Room host connection.
- The BYOD/BYOM switcher shall support wireless mirroring password management.
- The BYOD/BYOM switcher shall support touch screen annotation.



3. WARRANTY

The BYOD/BYOM switcher shall be with at least 3 years warranty.

The BYOD/BYOM switcher shall support at least 2 years warranty expansion.