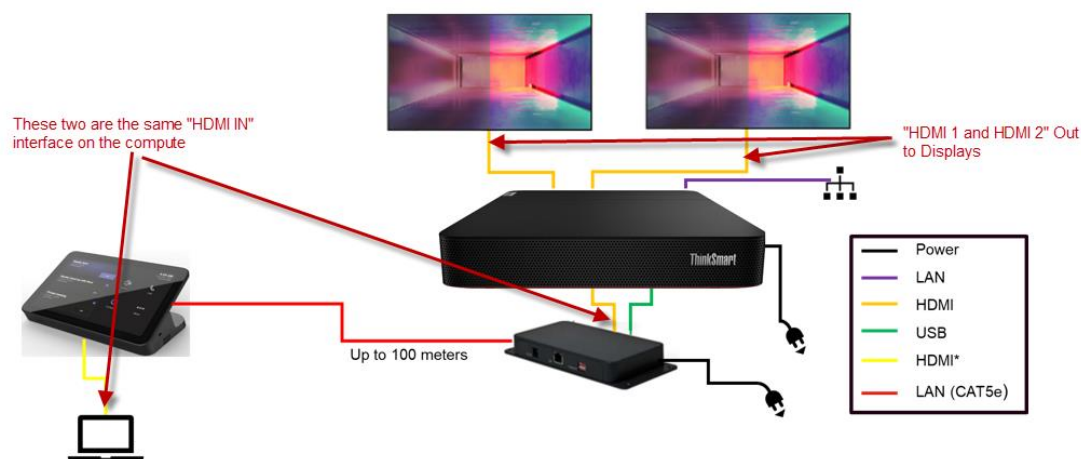# FAQ on the IP controller

Does the Ethernet cable between the IP controller and the link box (IO-Box) need to be a point-to-point connection or can this reside on a Network? Unfortunately, despite that fact that we call it the IP controller, it cannot actually connect this configuration across an actual switched TCP/IP network. But we do abide to the standard Ethernet limitation on 100 meters / 328 Feet without any device in the middle of the connection.

Can I have multiple IP controllers with multiple link box (IO-Box)'s connected to a single MTR/Zoom Room. The answer is a Yes/No answer, let me explain. You can connect a USBs interfaces to each IO-Box but the HDMI ingest, that only comes in as one input that is the issue, you will need a HDMI Three (In) into One HDMI (out) that would activate to the last known HDMI input signal. Or just leave the one IO-Box and controller at the center of the table with that one HDMI input. Within the Operation System (OS) display settings, you would need to mirror the IP controllers so that effectively you would have multiple points of control seen as one.

When not in a call, does the compute pass the HDMI In signal through the HDMI Displays. Yes, the compute will (pass HDMI in) from the outside Computer connected to (HDMI in) into the MTR, it will show on Dual Displays at the same time. (This will happen if you are presenting in the Room and not in a call) While in a call you will see Far end video on one Display and the content on the Second Display. See diagram below:

ThinkSmart Core + Lenovo IP Controller

These two are the same "HDMI IN" interface on the compute

"HDMI 1 and HDMI 2" Out to Displays

Up to 100 meters

■	Power
■	LAN
■	HDMI
■	USB
■	HDMI*
■	LAN (CAT5e)

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I have the laptop connected to the IP touch panel. For BYOD -will this connection still work for the HDMI signal to make its way to the display?

YES/No, it's the Same (HDMI In) interface that originate at the compute will allows for this.

No, BYOD is solved with USB switch for the peripherals: (example Inogeni or screenbeam) This solution is not native to the MTR/Zoom Room need an external device to move the HDMI peripherals between your Laptop and the MTR/Zoom Room.