

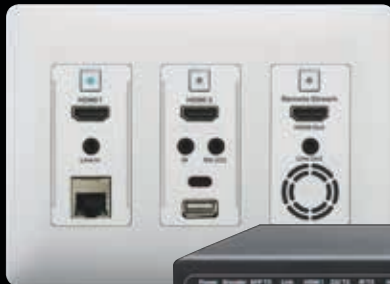
iPB_{ASE}T[®] AV EVOLUTION

4K AV Distribution over IP Industry's First Transceivers

*The Award-Winning IPX Series and
NEW VLX Series with IPBaseT[®] Technology*



iPX-TCW3



VLX-TCW2



iPX-TC1



iPX-TC2



VLX-TC1

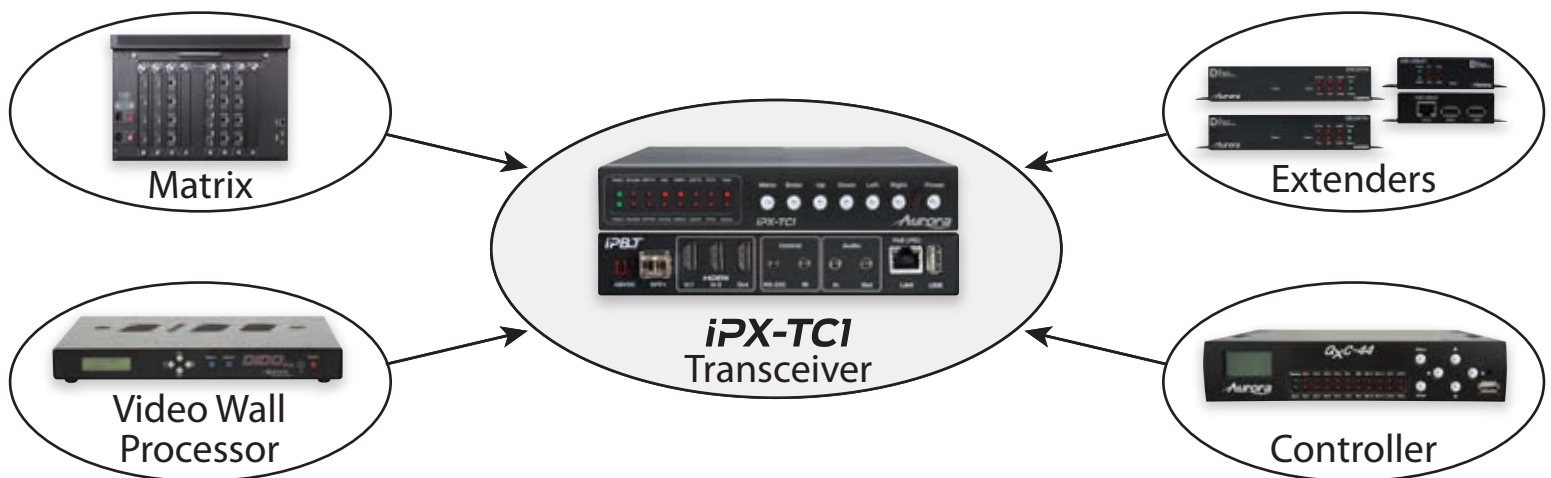


Patent Pending

Made in the USA

What is IPBaseT®?

Aurora's IPBaseT® combines a variety of 4K IP technologies and features under one unified protocol using a simplified topology. Uncompressed video with zero-latency, visually lossless video with low latency, seamless switching, videowall and multiviewer modes, digital audio, USB 2.0, Ethernet, and control are just some of the core capabilities of IPBaseT®. Utilizing the bandwidth of a standard 1Gbps copper (VLX Series) or 10Gbps copper or fiber (IPX Series), IPBaseT® supports large scalable audio/video matrixing, and it does so while replacing multiple technologies and products with a "single-box" distributed platform. The days of needing a separate AV switcher, control system, videowall processor, audio/DSP converter, and more are a thing of the past!



Transceiver?

The IPX/VLX transceiver is a single unit that can be configured as a transmitter or a receiver.

Modes can be changed on the fly allowing for dynamic configurations.

INDUSTRY FIRST!

The Award-Winning IPX Series and VLX Series with IPBaseT® Technology

iPX-TCW3



iPX-TC1



VLX-TCW2



iPX-TC2



VLX-TC1



A/V System Comparison Chart

	Matrix system	IP streaming system	VLX system	IPX system
4K UHD with zero compression and zero latency	Yes	No	Visually Lossless Low Latency	Yes
Transceiver topology for simplified inventory	No	No	Yes	Yes
Standard network switch infrastructure for easy scalability	No	Yes	Yes	Yes
Transceiver wall plate	No	No	Yes	Yes, World's Only!
Videowall processing	No	Yes	Yes	Yes
USB port to use as host or device	No	No	Yes	Yes
Full-bandwidth Gigabit Ethernet pass-through for data	No	No	No	Yes
Easy field serviceability	No	No	Yes	Yes
Integrated 2-input to 1-output HDMI® switch	No	No	Yes	Yes
Seamless switching	Premium cost	Premium cost	Fast Switch	Yes
Configure any IPX/VLX as TX or RX on the fly	No	No	Yes	Yes
ExtremeUSB® (USB 2.0 480Mbps) option	No	No	Integrated USB 2.0 (not ExtremeUSB®)	Yes
Dante® network audio option	No	No	Yes	Yes

VLX Series Transceivers

- ▶ 4K visually lossless over 1Gbps network
- ▶ Low 1.5 frame latency
- ▶ HDMI® 2.0/HDCP 2.2
- ▶ Unlimited scalability
(based on network topology)

VLX-TCW2V-C



- ▶ Videowall with image rotation
- ▶ PoE (Power over Ethernet)
- ▶ Stereo line in/out
- ▶ RS-232 and IR control ports

VLX-TCW2H-C



- ▶ Auto sense switching
- ▶ USB 2.0 Host and Device ports
- ▶ Dante® IP audio option

VLX-TC1-C



VLX Distribution System

Any input to any or all displays over a standard IP network

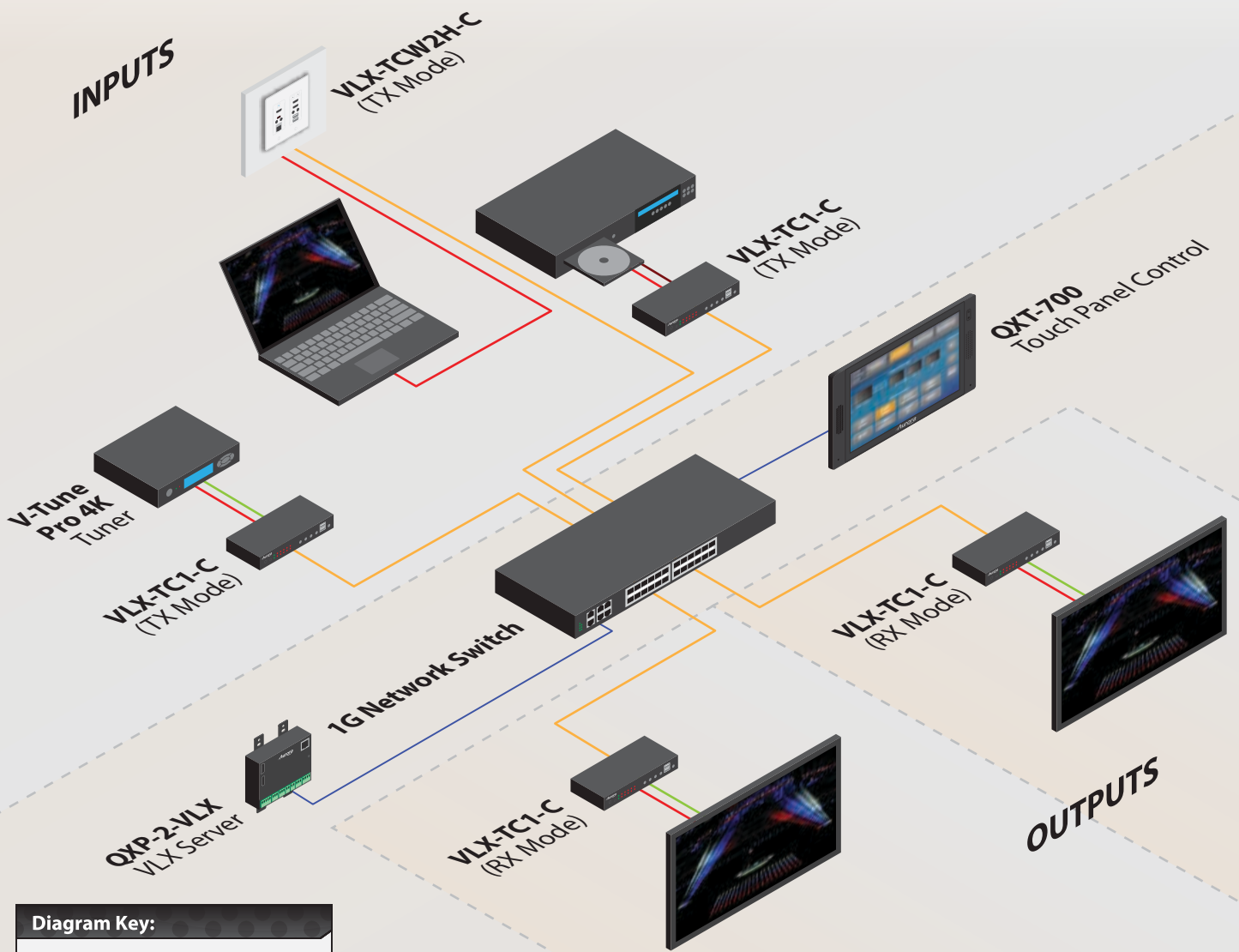


Diagram Key:

- **HDMI®**
- CAT5a/6/6a (Data Network)
- Copper (Data / IPBaseT®)
- Serial (RS-232 Control)
- IR

Mix and match transceivers - Any transceiver can be configured as an input (TX) or output (RX)

IPX-TC1/TCW3 Series Transceivers

- ▶ 4K with zero compression and zero latency

IPX-TCW3

- ▶ Available for 10Gbps fiber MMF/SMF or 10Gbps copper networks



- ▶ Unlimited scalability (based on network topology)

- ▶ Seamless and breakaway switching

- ▶ Videowall capabilities

IPX-TC1-F

- ▶ Stereo line in/out



- ▶ RS-232 and IR control ports

- ▶ Integrated web server

IPX-TC1-C

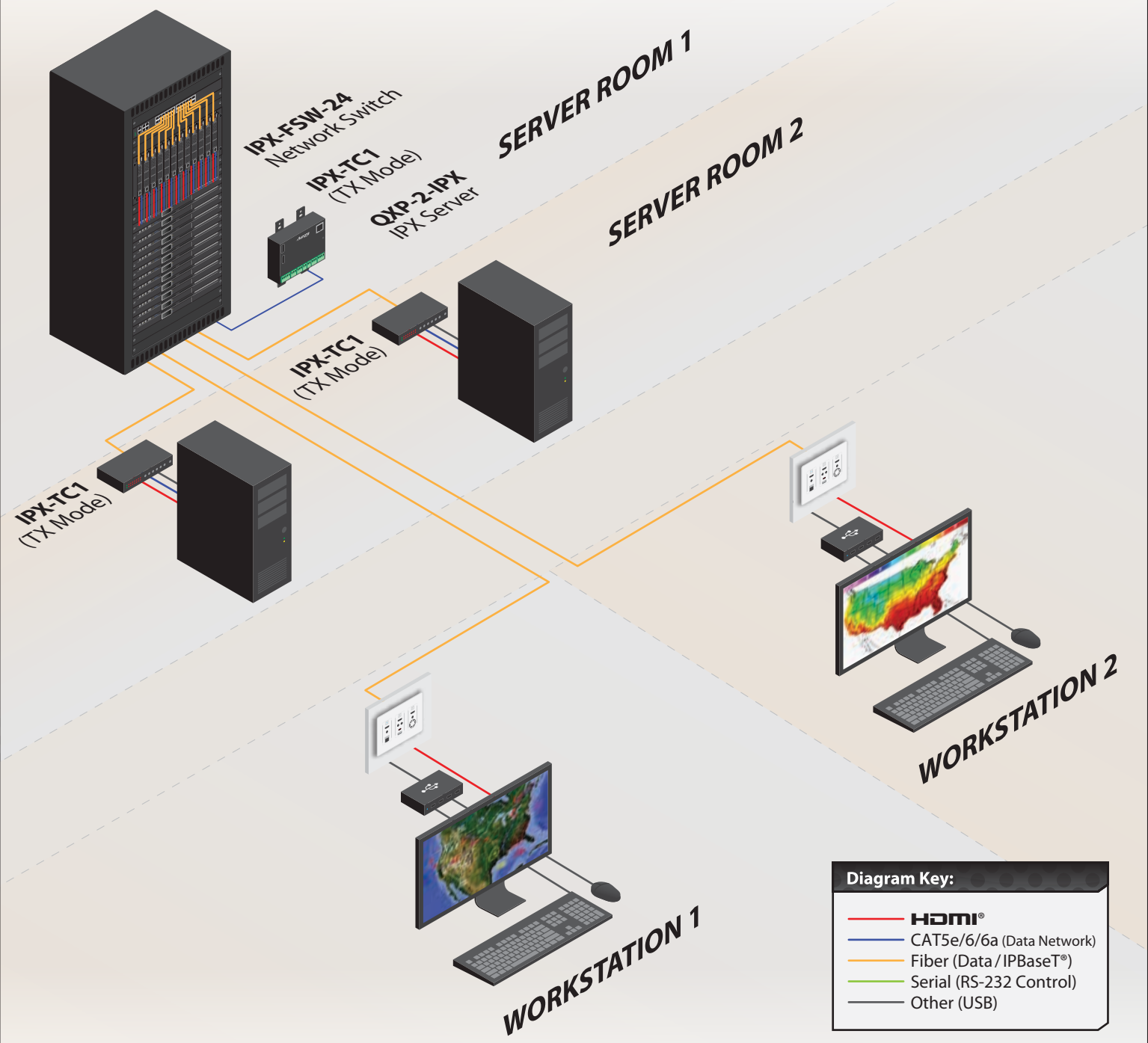
- ▶ Dante® IP audio option



- ▶ ExtremeUSB® (USB 2.0 480Mbps) option

IPX-TC1 KVM System

Any input to any or all displays over a standard IP network



Mix and match transceivers - Any transceiver can be configured as an input (TX) or output (RX)

IPX-TC2 Series Transceivers

NEW

- ▶ 4K 60Hz 4:4:4 visually lossless compression and zero frame latency
- ▶ 4K 30Hz 4:4:4 and below – zero compression and zero frame latency
- ▶ Available for 10Gbps fiber MMF/SMF or 10Gbps copper networks
- ▶ Windowing/Multiviewer (up to 16)
- ▶ 4K Scaler
- ▶ Seamless and breakaway switching (any resolution to any resolution)
- ▶ Videowall processing up to 16x16
- ▶ Stereo line in/out
- ▶ RS-232 and IR control ports
- ▶ Dante® IP audio option
- ▶ ExtremeUSB® (USB 2.0 480Mbps) option

IPX-TC2-F



IPX-TC2-C



Windowing/Multiviewer



IPX-TC2 Videowall System

Any input to any or all displays over a standard IP network

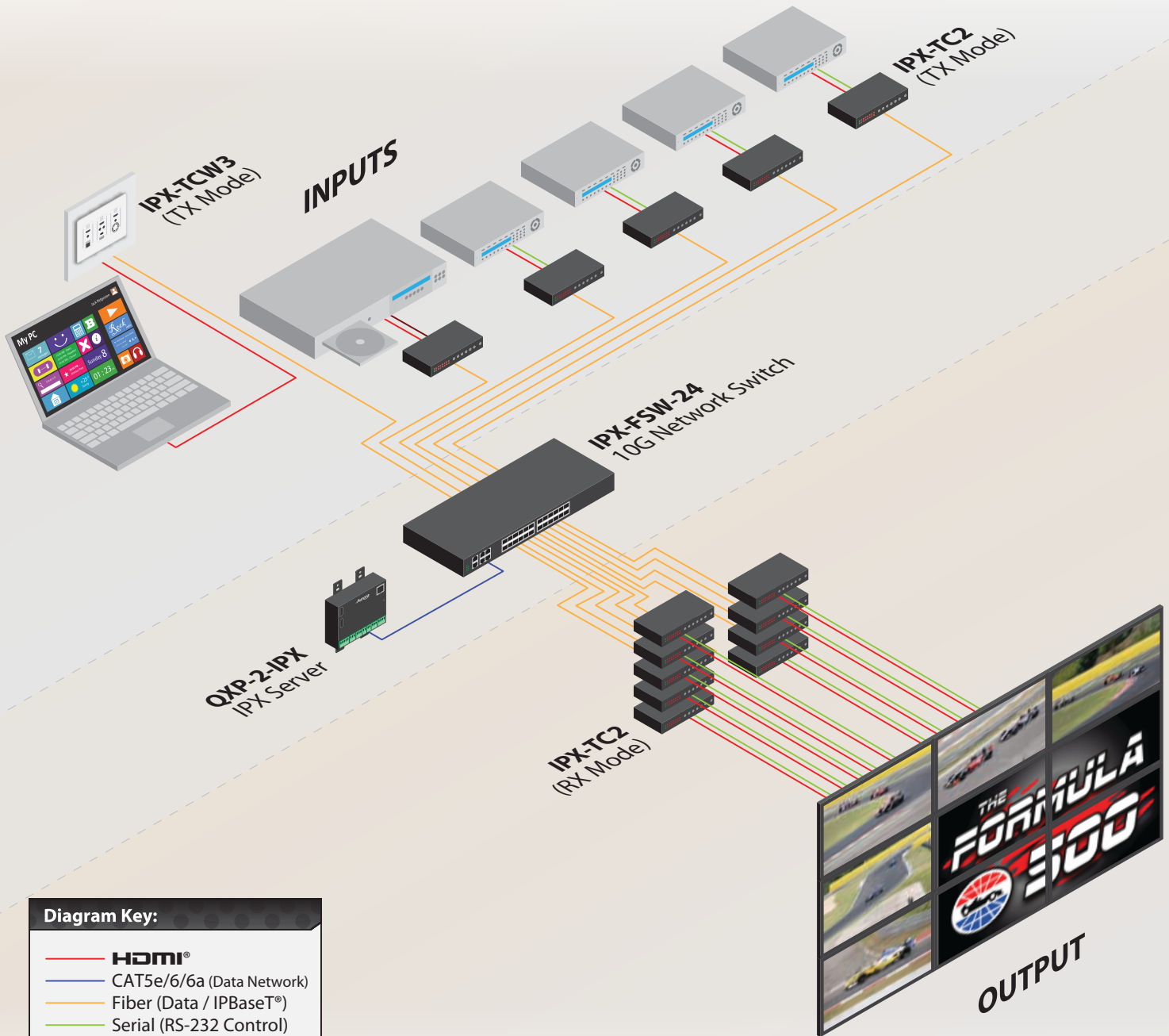


Diagram Key:

- **HDMI**[®]
- CAT5e/6/6a (Data Network)
- Fiber (Data / IPBaseT[®])
- Serial (RS-232 Control)
- IR

Mix and match transceivers - Any transceiver can be configured as an input (TX) or output (RX)

The Ultimate Solution for 4K AV Distribution Over IP

Optional Accessories

QXP-2-IPX

- ▶ IPX Embedded Linux® Server Version



QXP-2-VLX

- ▶ VLX Embedded Linux® Server Version



IPX-USB2

- ▶ USB 2.0 ExtremeUSB® Option Card



IPX-DTE

- ▶ Dante® Option Card



VLX-DTE

- ▶ Dante® Option Card



IPX-FSW-8

- ▶ 8 port SFP+ Switch



IPX-FSW-12

- ▶ 12 port SFP+ Switch



IPX-FSW-24

- ▶ 24 port SFP+ Switch



DXB-8

- ▶ 8 Button Wall Plate (Customizable)



IPX-SFP-10GMM-1

- ▶ 10Gbps SFP+ Multi-mode LC 50/125 Module



IPX-SFP-10G32C1

- ▶ 10Gbps SFP+ BIDI Single Mode 1330/1270nm Module 10KM



IPX-SFP-10G23C1

- ▶ 10Gbps SFP+ BIDI Single Mode 1270/1330nm Module 10KM



IPX-SFP-10G20

- ▶ 10Gbps SFP+ Single Mode Dual Module 1310nm 20KM



IPX-SFP-OM3DXLC-1

- ▶ OM3 Fiber 50/125 Multi-mode LC Patch Cable 1M (3ft)



IPX-SFP-PPC-1

- ▶ SFP+ 10Gbps Passive Patch Cable 1M (3ft)



FI-GIG-GIDY-xx

- ▶ Dual OM3 Multi-Mode Terminated Fiber with LC Connectors + 18/2 Power Cable
- ▶ Available through West Penn Wire



CA-HDMI

- ▶ HDMI® 2.0a Cable
- ▶ Resolutions up to 4K 60Hz 4:4:4, 18Gbps
- ▶ Available in a variety of colors and lengths



IPBT_{ASE}  CERTIFIED
PRODUCT
PARTNER

IPX-TC1-RK1

- ▶ 1RU Dual Rack Mount Kit

**VLX-TC1-RK1**

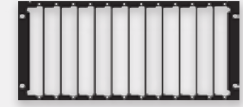
- ▶ 1RU Dual Rack Mount Kit

**IPX-TC1-RK5**

- ▶ 5RU Rack Mount Kit (Holds 12 Units)

**VLX-TC1-RK5**

- ▶ 5RU Rack Mount Kit (Holds 12 Units)

**IPX-TC1-BLK**

- ▶ Blank Plate for Rack Mounts

**VLX-TC1-BLK**

- ▶ Blank Plate for Rack Mounts

**IPX-TC1-RAIL**

- ▶ For IPX-TC1 use in Rack Mounts

**VLX-TC1-RAIL**

- ▶ For VLX-TC1 use in Rack Mounts

**VLX-LCVR**

- ▶ VLX Wall Plate LAN Port Cover

**CA0052-F2T3R**

- ▶ RS-232 Adapter (3.5mm TRS to FEMALE DB9 2-TX 3-RX)

**CA0052-F3T2R**

- ▶ RS-232 Adapter (3.5mm TRS to FEMALE DB9 3-TX 2-RX)

**CA0052-M2T3R**

- ▶ RS-232 Adapter (3.5mm TRS to MALE DB9 2-TX 3-RX)

**CA0052-M3T2R**

- ▶ RS-232 Adapter (3.5mm TRS to MALE DB9 3-TX 2-RX)

**CA0061-1**

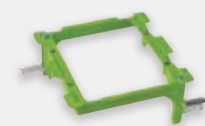
- ▶ IR Emitter

**CA0062-1**

- ▶ IR Receiver

**LVR-2G**

- ▶ 2 Gang Electrical Ring

**LVR-3G**

- ▶ 3 Gang Electrical Ring

**PS0081-1**

- ▶ 48V 24 Watt PoE Injector
- ▶ Available in -US, -AU, -EU, and -UK worldwide models





**PS0094-2**

- ▶ 48V 25 Watt Wall Supply
- ▶ Available in -US, -AU, -EU, and -UK worldwide models



The Ultimate Solution for 4K AV Distribution Over IP

IPBaseT[®] Family Comparison Chart

	VLX-TC1-C 	VLX-TCW2 	iPX-TC1 	iPX-TCW3 	iPX-TC2 
Network Speed	1Gbps	1Gbps	10Gbps	10Gbps	10Gbps
Resolution	4K 4:4:4 30Hz	4K 4:4:4 30Hz	4K 4:4:4 30Hz	4K 4:4:4 30Hz	4K 4:4:4 60Hz
Compression	8:1	8:1	Zero	Zero	Zero @ 4K30Hz 1.3:1 @ 4K60Hz
Frame Latency	1.5	1.5	Zero	Zero	Zero
Scaling	No	No	No	No	Yes
EDID Management	Yes	Yes	Yes	Yes	Yes
Videowall	8x8	8x8	4x4	4x4	16x16
Windowing/Multiviewer	No	No	No	No	Up to 16
Seamless Switching	Fast Switch	Fast Switch	Yes, between same resolution	Yes, between same resolution	Yes, between any resolution
Fiber	No	No	Yes	Yes	Yes
Copper	Yes	Yes	Yes	Yes	Yes
USB	USB 2.0	USB 2.0	ExtremeUSB[®] 2.0 Option	ExtremeUSB[®] 2.0 Option	ExtremeUSB[®] 2.0 Option
Dante [®] Option	Yes	Yes	Yes	Yes	Yes
Enclosure Style	Box	2 Gang	Box	3 Gang	Box
Auto Sense Switching	Yes	Yes	Yes	Yes	Yes
Breakaway Switching	Dante[®] Only	Dante[®] Only	Audio, USB, Control, & Dante[®]	Audio, USB, Control, & Dante[®]	Audio, USB, Control, & Dante[®]



WEST PENN WIRE

