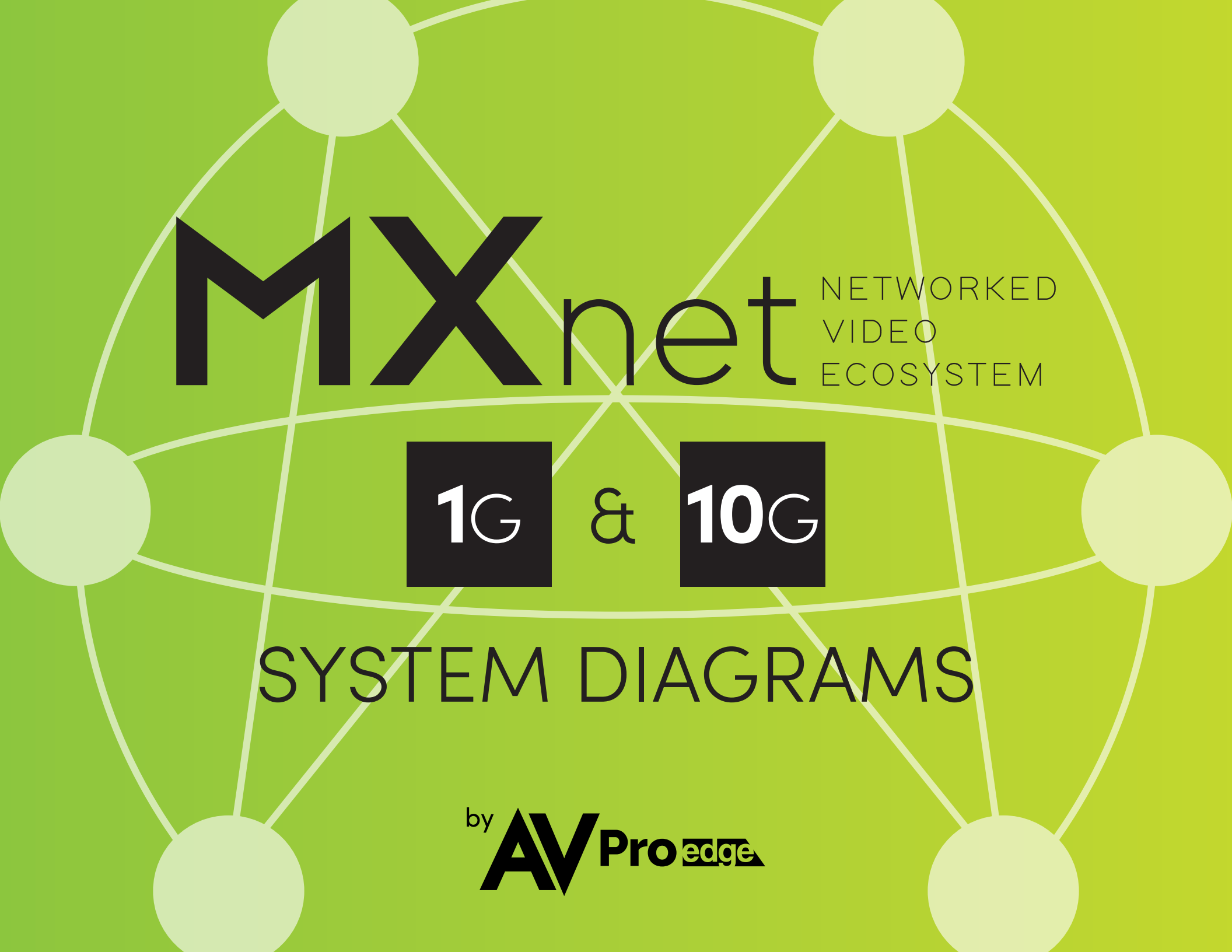


A network diagram with six light green circular nodes arranged in a hexagonal pattern. These nodes are interconnected by a series of thin, light green lines that form a complex web, including both straight and curved connections, suggesting a mesh or multi-hop network topology.

MXnet

NETWORKED
VIDEO
ECOSYSTEM

1G

&

10G

SYSTEM DIAGRAMS

by **AVPro**edge

MXnet 1G Network Switches



AC-MXNET-SW10
Max 10 1G Endpoints



AC-MXNET-SW24
Max 24 1G Endpoints



AC-MXNET-SW48
Max 48 1G Endpoints

MXnet 10G Network Switches



AC-MXNET-10G-SW12C
Max 18 10G Endpoints



AC-MXNET-10G-SW24Q
Max 32 10G Endpoints



AC-MXNET-10G-SW48Q
Max 72 10G Endpoints

MXnet 10G Network Switch Max Endpoints

$$\boxed{12 \times 10\text{G Copper}} + \boxed{6 \times 25\text{G SFP28}^*} = 18 \times 10\text{G Endpoints with AC-25G-SFP28-MM}$$

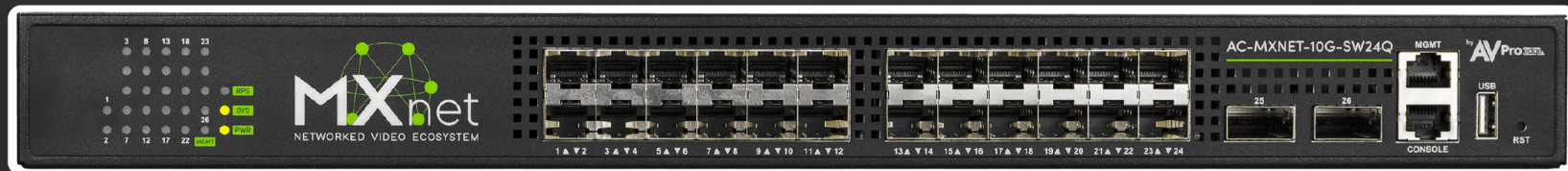


AC-MXNET-10G-12C
10G Network Switch

*25G SFP28 ports are backwards compatible with 10G via AC-25G-SFP28-MM

AC-MXNET-10G-SW24Q
10G Network Switch

$$\boxed{24 \times 10\text{G SFP+}} + \boxed{2 \times 40\text{G QSFP}} = 32 \times 10\text{G SFP+ Endpoints with BOC}$$



Up to 4 Additional Endpoints Per QSFP Break Out Cable (Boc)

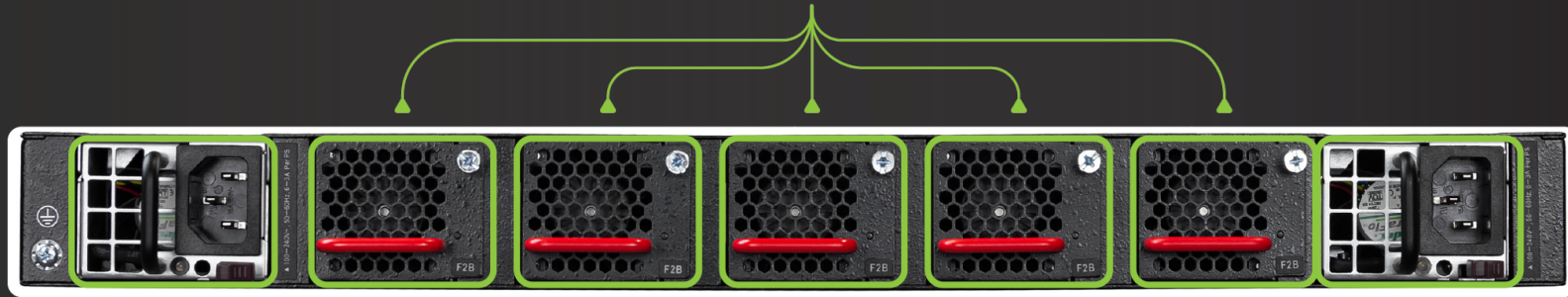
AC-MXNET-10G-TCVR x 4
Set as Decoder



10G

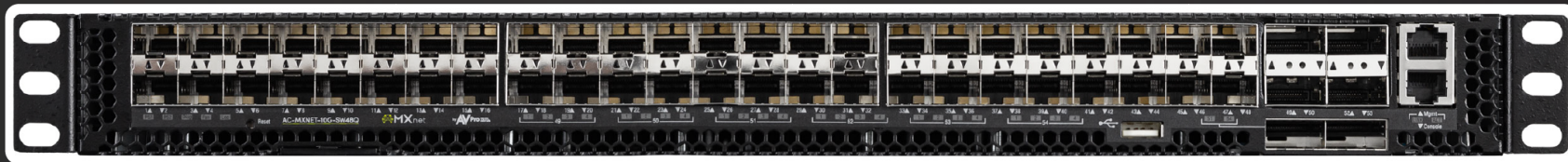
MXnet 10G Network Switch Max Endpoints

Hot-Swappable Fans



Hot-Swappable PSUs

48 x 10G SFP+ + 6 x 40G QSFP = 72 x 10G SFP+ Endpoints with BOC



AC-MXNET-10G-SW48Q
10G Network Switch

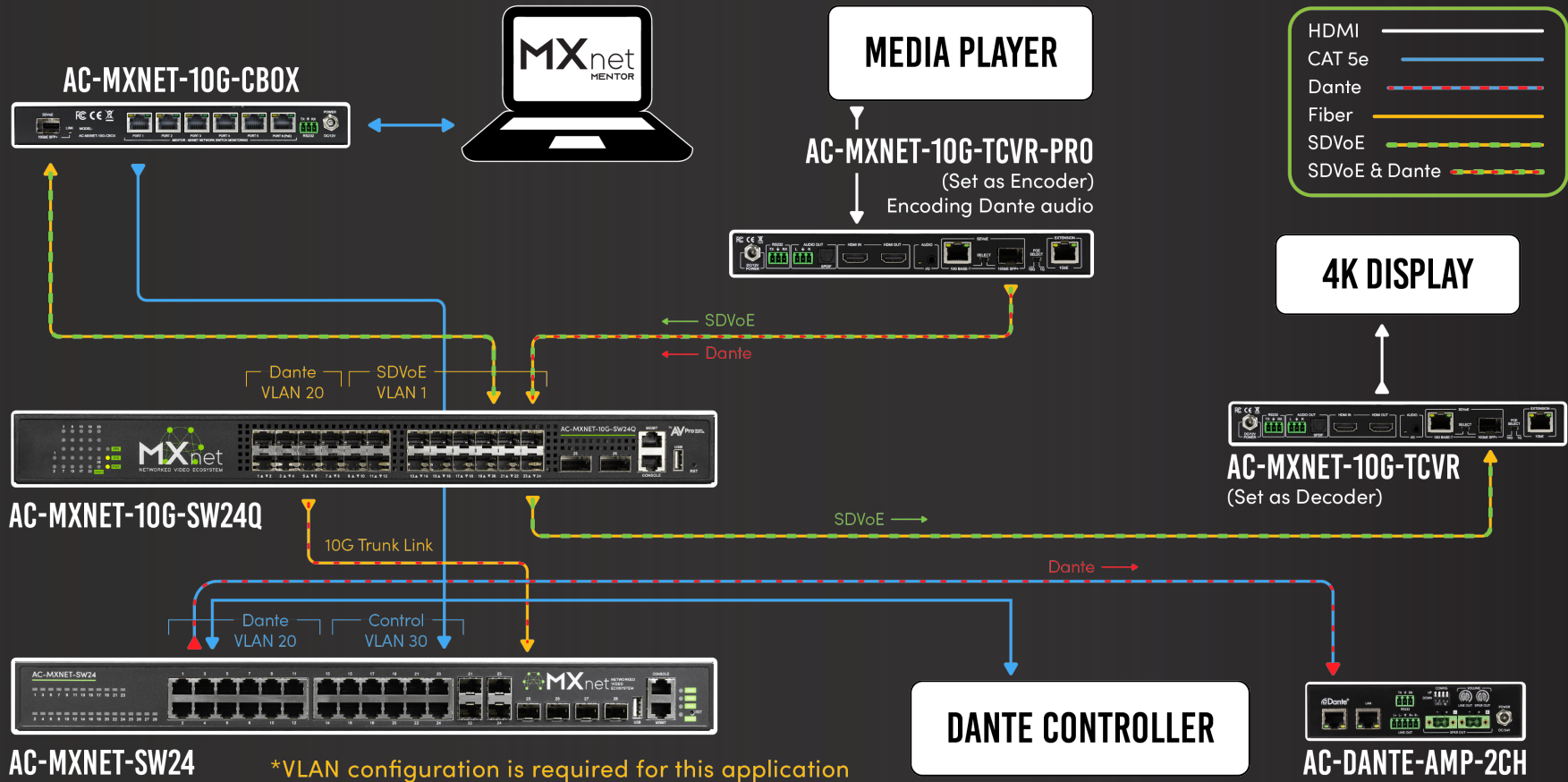
AC-MXNET-10G-TCVR x 4
Set as Decoder

Up to 4 Additional Endpoints Per
QSFP Break Out Cable (Boc)



10G

MXnet 10G Dante Connection Diagram

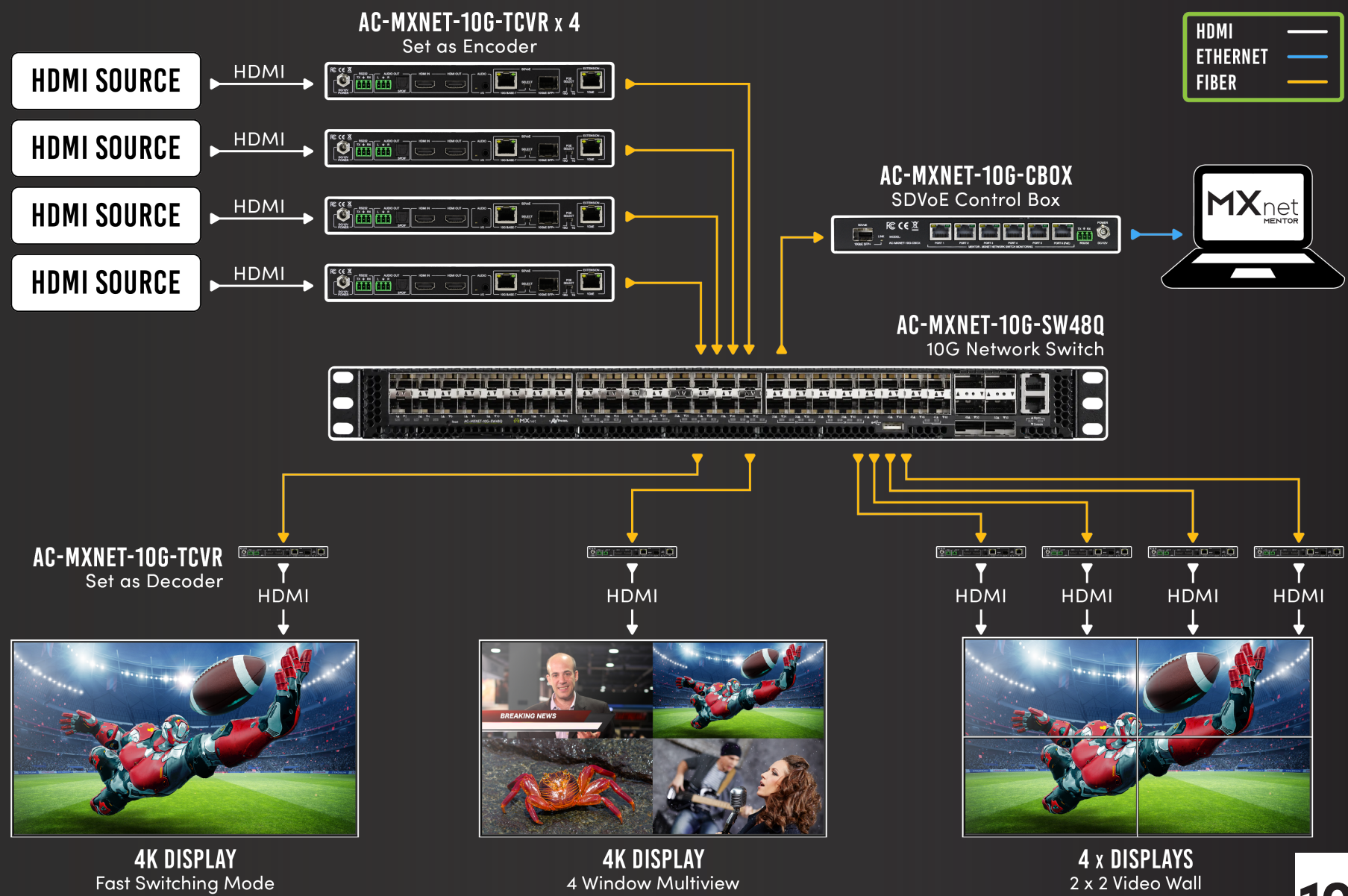


AC-MXNET-10G-TCVR-PRO Dante Key Features

- **Compression-free:** 100% Lossless audio
- **Available Signal Types:** Sample rates from 44.1kHz up to 192kHz, 24-bit and 32-bit.
- **Ultra-Low Latency:** Latency is imperceptible at less than 1ms, with sub-microsecond synchronization.
- **High Channel Capacity** - Up to 512 x 512 channels (48kHz / 24-bit) may be sent to compatible devices.

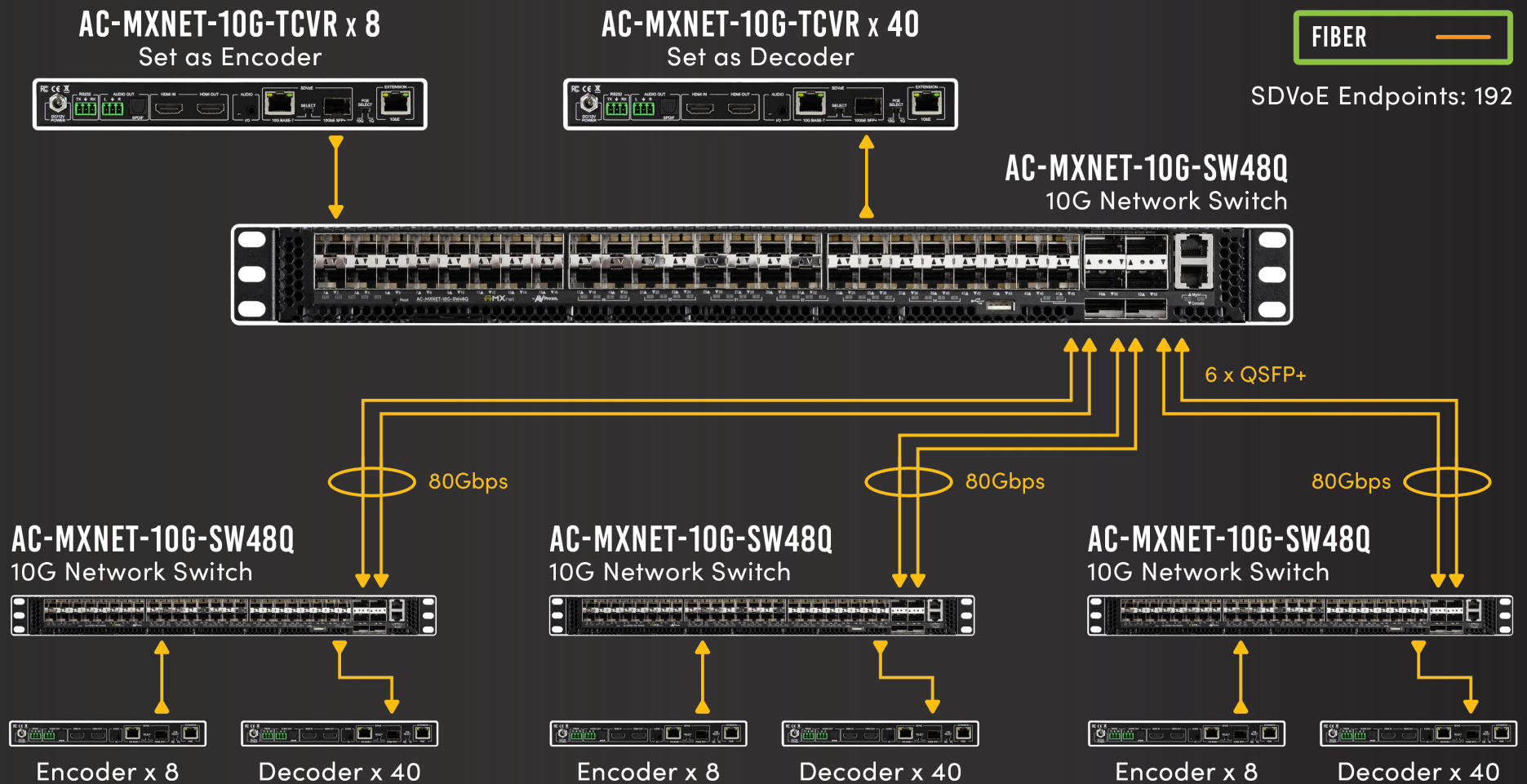
10G

MXnet 10G Display Mode Diagram

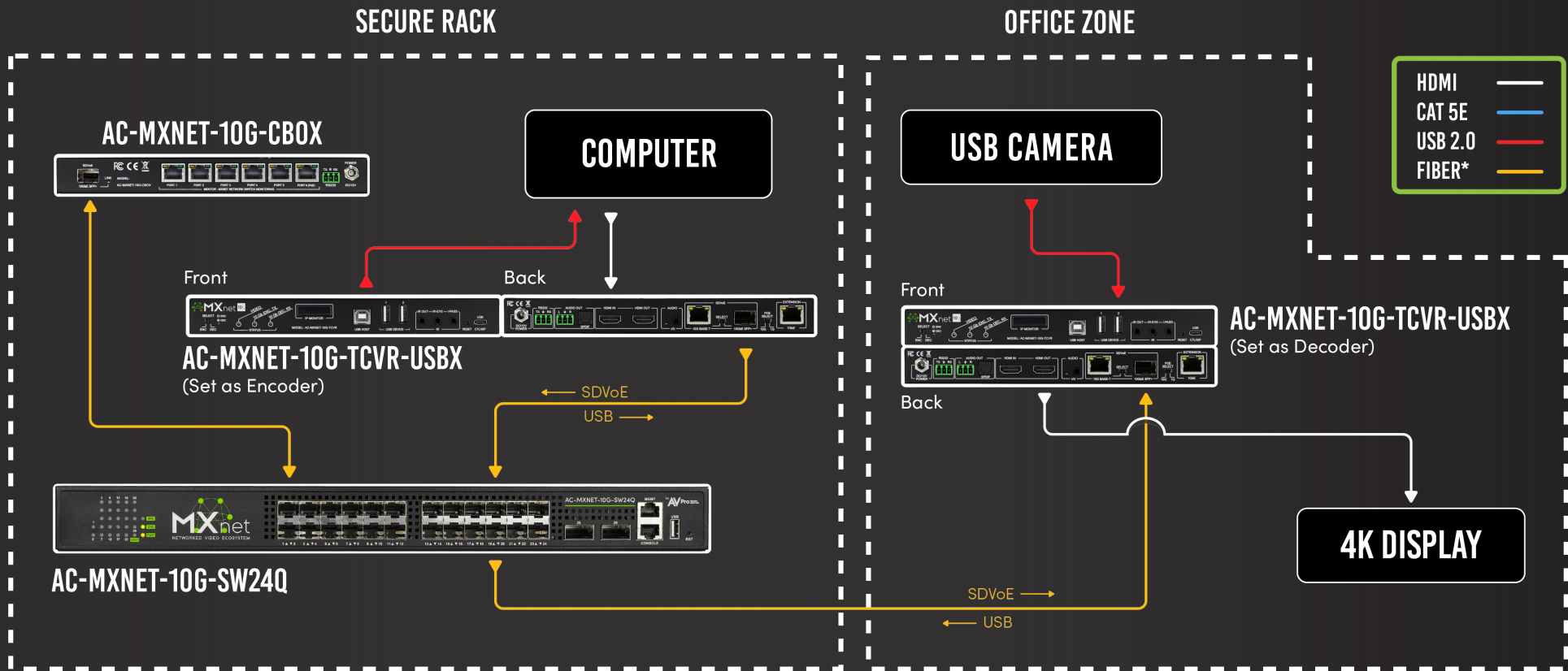


10G

MXnet 10G Star Topology Diagram



MXnet 10G USB Diagram

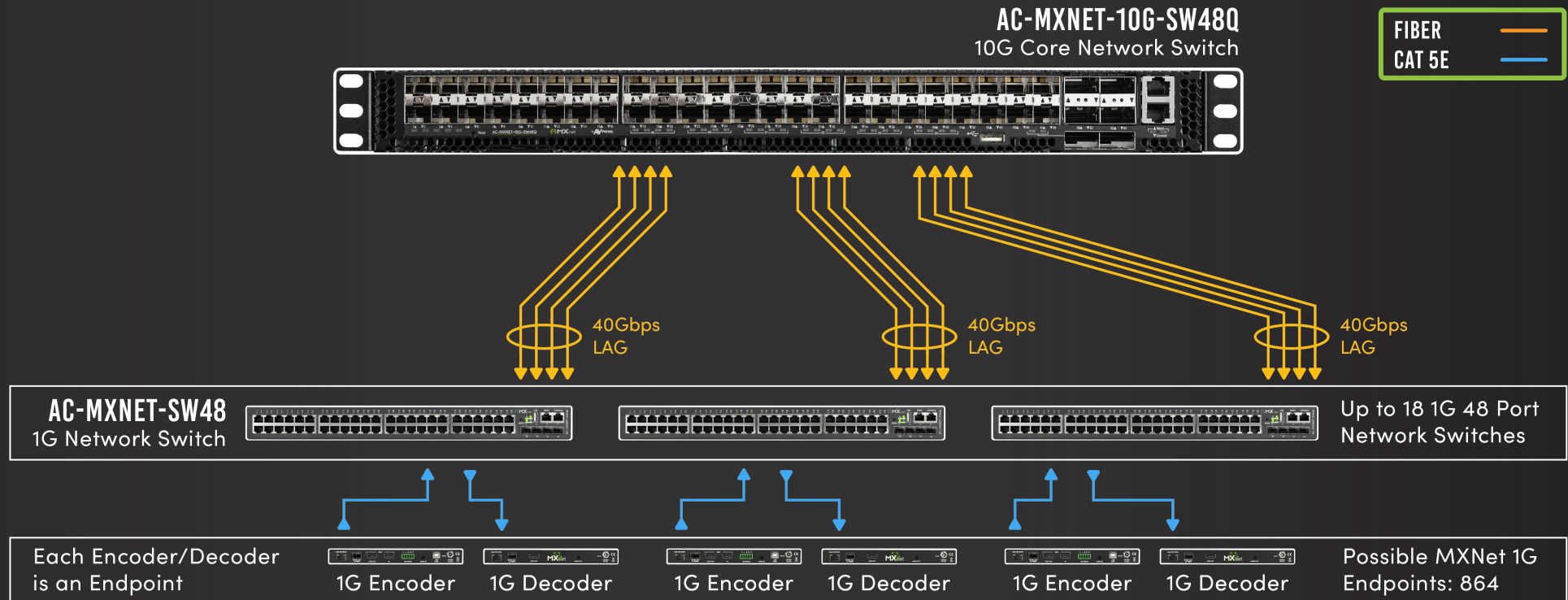


AC-MXNET-10G-TCVR-USBX Icron Technologies ExtremeUSB® Key Features

- **USB Speeds:** Supports USB Low, Full and High Speeds
- **Max Throughput:** Up to 480Mbps
- **Device Compatibility:** Support for up to 31 USB devices, including hubs
- **Maximum Range:** Cat5e (or better) up to 100 meters; Fiber up to 500 meters (multimode) and 10 Kilometers (single-mode)
- **True Plug and Play:** Compatible with Windows, Mac OS and Linux
- **Driverless:** No software drivers required

10G

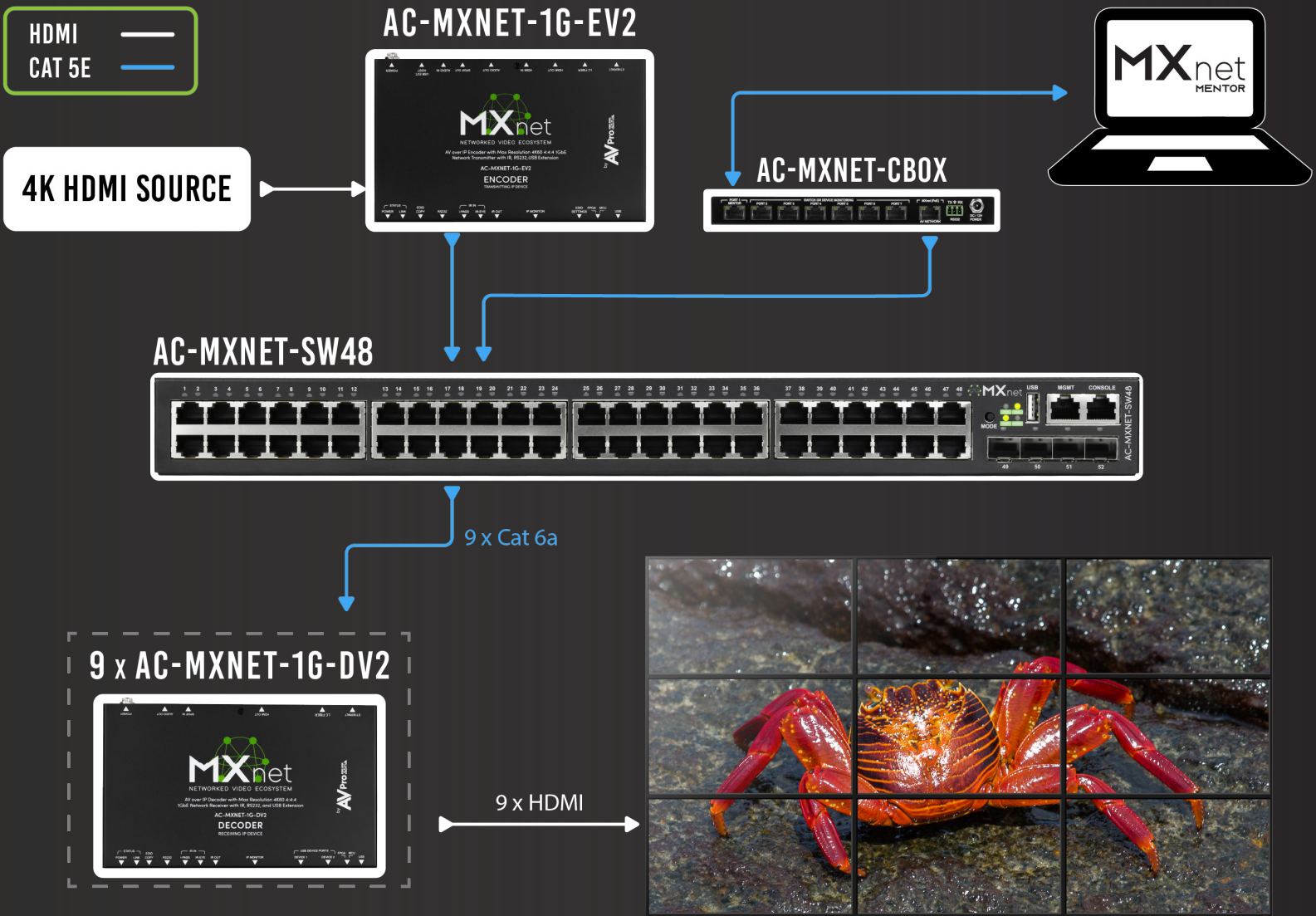
MXnet 1G Core Switch Diagram with the AC-MXnet-10G-SW48Q



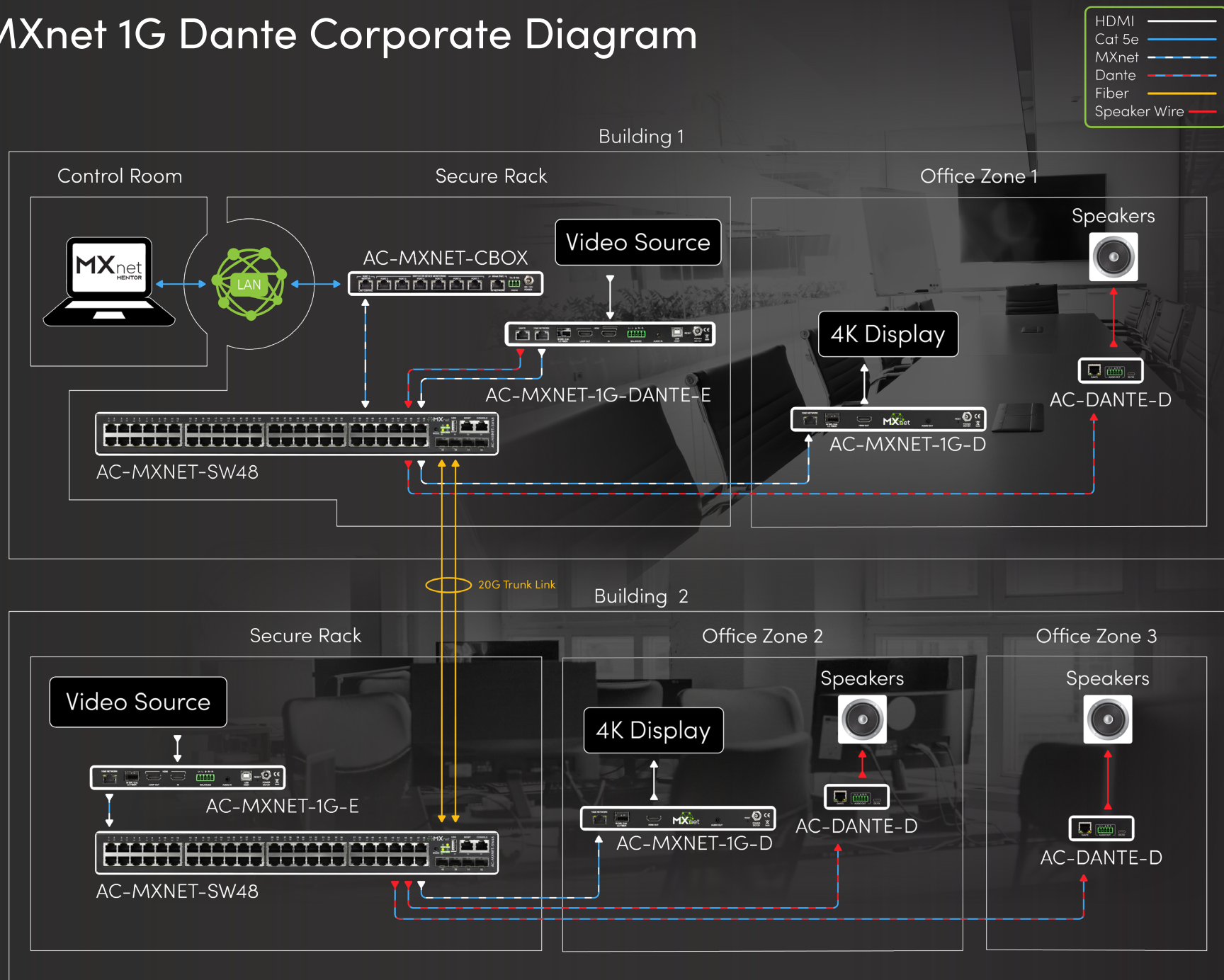
MXnet 10G Core Switch implementation benefits:

- **High Performance and Throughput:** MXnet 10G core switches provide robust hardware and fast processors, ensuring seamless, rapid data transfer in the network.
- **Scalability:** MXnet 10G core switches scale effortlessly, supporting additional devices and services without compromising performance to meet network demands.
- **Reliability and Redundancy:** MXnet 10G core switches ensure high reliability by incorporating redundancy features and protocols, maintaining continuous operation amid potential hardware failures.
- **Advanced Layer 3 Routing Capabilities:** MXnet 10G core switches support advanced Layer 3 routing capabilities.

MXnet 1G Video Wall Connection Diagram



MXnet 1G Dante Corporate Diagram



1G

MXnet 1G Digital Signage Diagram

