

# WHAT'S INSIDE

Take a peek under the hood to see what makes the XTP II CrossPoint unique.

## XTP II CROSSPOINT

# 50 Gbps

## ULTRA PERFORMANCE BACKPLANE

Extron has an extensive history of developing product solutions and technologies that are tailored to meet the diverse needs of the AV industry. At the core of our design philosophy is an ongoing commitment to deliver products that meet the highest standards of performance and reliability.

We proudly present the XTP II CrossPoint Series as the culmination of many years of engineering R&D efforts. The attention to detail begins with advanced design, but extends to manufacturing processes, along with the selection of the highest grade materials and components available to ensure continued operation with maximum efficiency and longevity. XTP II is a future-ready technology platform that provides a robust, high performance, adaptable AV infrastructure

designed to remain in place within a system for many years. The 50 Gbps digital video backplane at the core of each XTP II modular matrix switcher delivers the absolute highest level of performance available in the AV industry. This backplane provides more than enough bandwidth to handle the highest data rates of today's most demanding signal formats and resolutions, while providing ample headroom to accommodate anticipated future rates and resolutions.



### 50 Gbps

Digital switching backplane performance exceeds the data rate requirements of today's most demanding signals



### 4K

Fiber optic and HDMI boards provide 4K video switching and transmission



### 64 I/Os

Modular, hot-swappable design supports I/O sizes up to 64x64 and upgrades to next-generation video cards



### 4 Power Supplies

Robust, hot-swappable, state-of-the-art power supplies are engineered to last



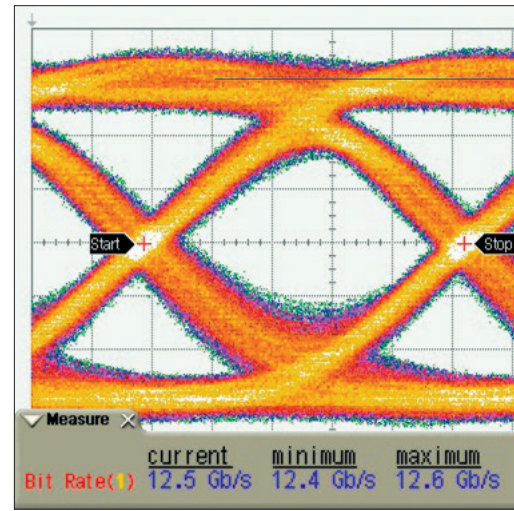
### 100,000 Hour MTBF

Highest quality metal fans are individually monitored to ensure optimal cooling

**XTP II CrossPoint road-map to performance, efficiency, and longevity**

## Reliability and Performance by Design

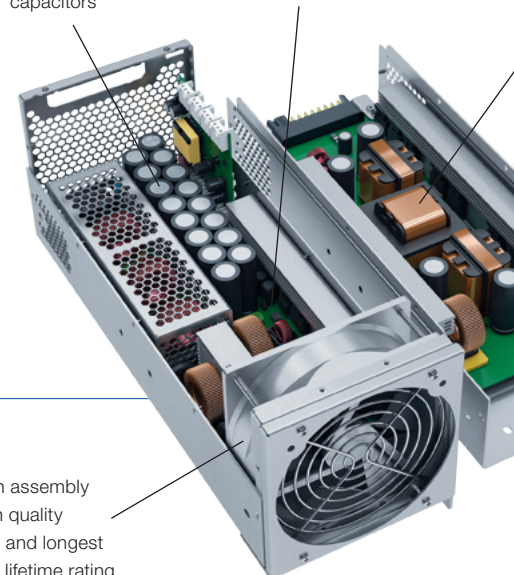
Engineered with the highest quality materials and manufactured to the most exacting standards, XTP Systems are designed to deliver the best switching performance available in the industry combined with exceptional dependability to support mission critical applications.



Four, hot-swappable, Extron-designed power supplies: 2 primary and 2 redundant

High temperature rated, electrolytic capacitors

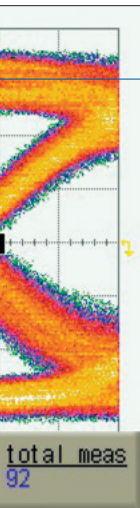
Engineered to last: components arranged for maximum efficiency, airflow and cooling



Metal fan assembly with high quality bearings and longest available lifetime rating

## Power Supply Design

These Extron power supplies incorporate a state-of-the-art design that utilizes the highest quality and performance-rated components available to deliver maximum efficiency and sustained operation in the most demanding environments.

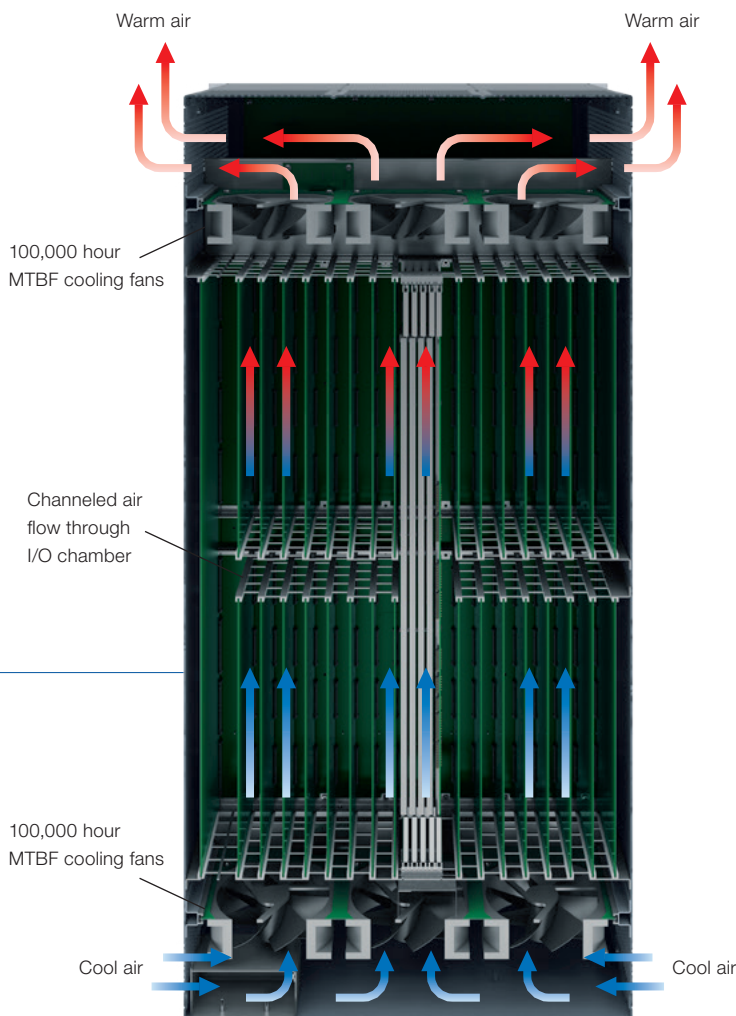


## Unmatched Performance

High-speed switching ICs and a high density, multilayer PCB deliver 50 Gbps backplane performance with bandwidth capability that exceeds HDMI 2.0 and DisplayPort 1.4 signal requirements for all 4K/60 rates, plus support for emerging formats and resolutions, such as 8K.

## Thermal Management

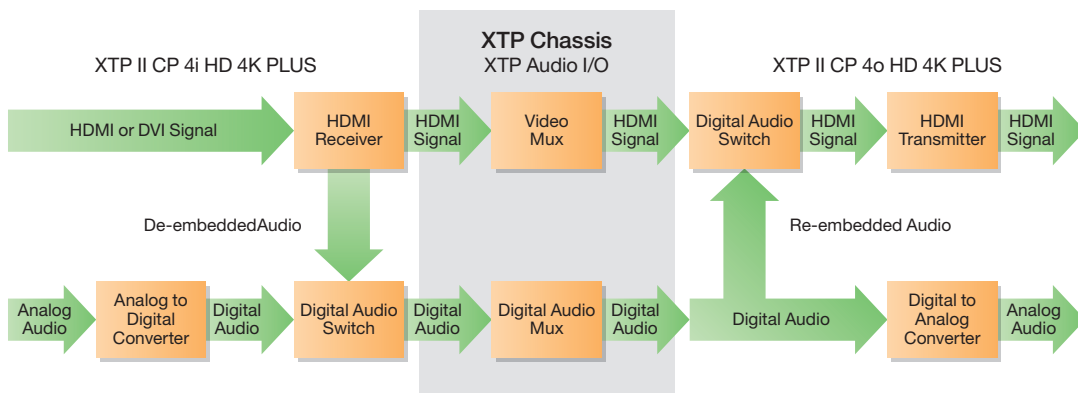
Dual, monitored fan banks with top and bottom chassis ventilation deliver optimal thermal management by drawing cool air from the bottom, pushing forced air through the I/O board chamber, and expelling of warm air out the top of the enclosure.



Precision-wound, resin-encapsulated transformers

## Audio Signal Routing and Management

XTP Systems provide easy integration of analog audio alongside digital embedded signals and offers extensive signal routing and management options. Two separate audio switching planes gives increased flexibility to deliver audio breakaway, digital audio de-embedding, and analog stereo audio embedding without requiring additional components.





## Modular and Upgradable

The modular, hot-swappable frame design delivers substantial flexibility by allowing onsite field service, upgrades, and expansion without affecting system operation. System performance can be enhanced to support future video standards and resolutions by installing new switching cards.

## 4K Switching and Transmission over Fiber

New fiber optic I/O boards, transmitters and receivers expand XTP System capabilities. XTP fiber products can send video, audio, control, and Ethernet over a single fiber and support 4K/30 video signals with 4:4:4 chroma sampling at 8 bits per color. Extron exclusive, custom designed optical modules offer increased distance performance over standard OM4 fiber.



XTP 4K Fiber I/O boards



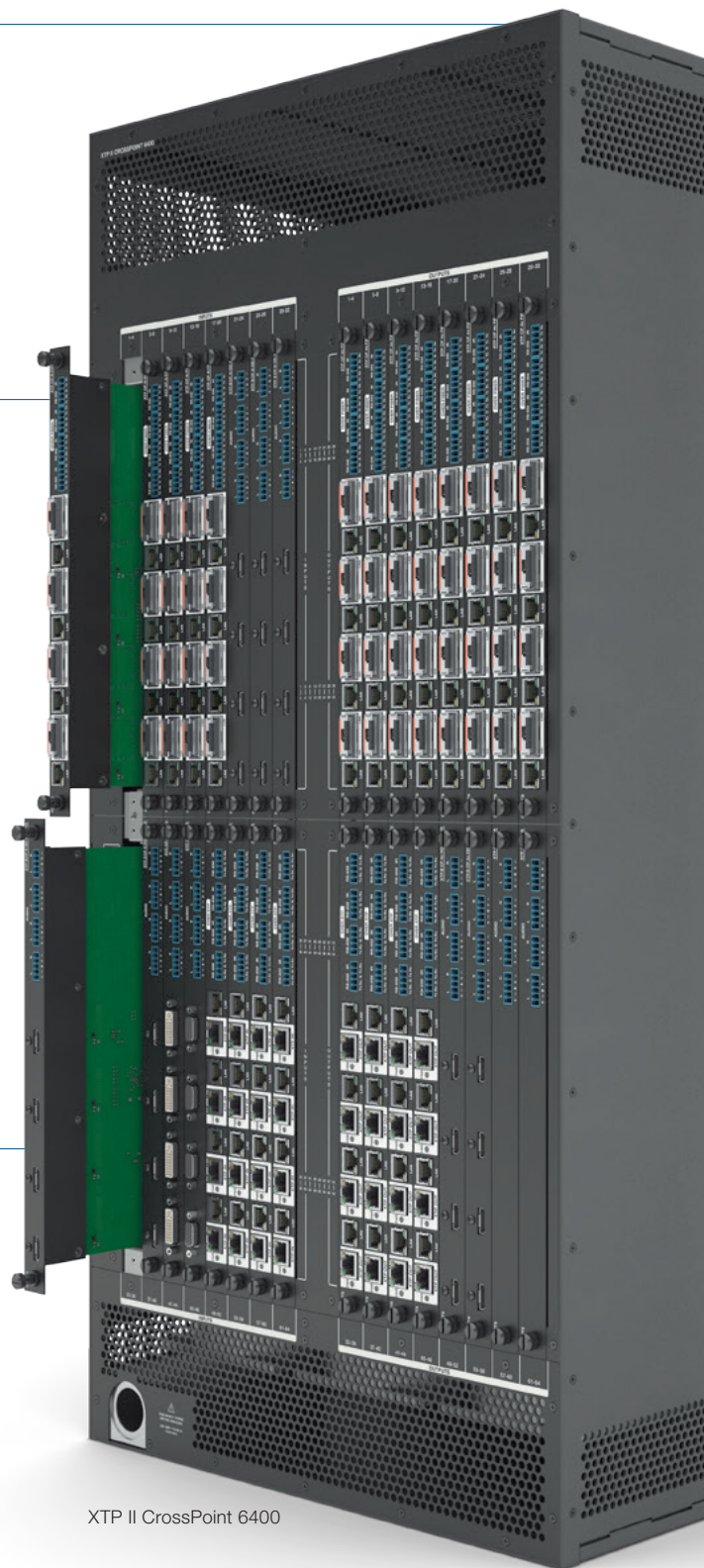
XTP 4K Fiber transmitter and receivers

## HDMI 2.0 Boards with HDCP 2.2

The new HDMI 2.0 input boards and output boards offer the full 18 Gbps data rate, and support 4K/60 video with 4:4:4 chroma sampling at 8 bits per color. Our new HDMI boards offer a big step up in performance compared to virtually all competing HDMI 2.0 distribution products, which only support the lower 10.2 Gbps data rate and are therefore forced to use 4:2:0 chroma sub-sampling compression to transmit 4K/60 video signals.



XTP II HDMI PLUS I/O boards



XTP II CrossPoint 6400

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