



**Mission-Critical
Cross-Platform Matrix Switching**

The logo consists of the word "PureLink" in a white, sans-serif font. Above the letter "i" in "Link", there is a thin, white, curved line that arches over the top of the letters, resembling a stylized signal or a bridge.



Mission-Critical Cross-Platform Matrix Switching



The MAX2 is the world's first matrix switching and extension system providing Ultra HD/4K60 4:4:4 over HDBaseT 3.0, 1 LC Fiber, and 12G-SDI. With its dynamic, proprietary design features and technologies, the MAX2 provides a truly adaptive solution that works where and how you need it.

The MAX2 design comes together to deliver the most adaptable, forward-thinking solution to date:

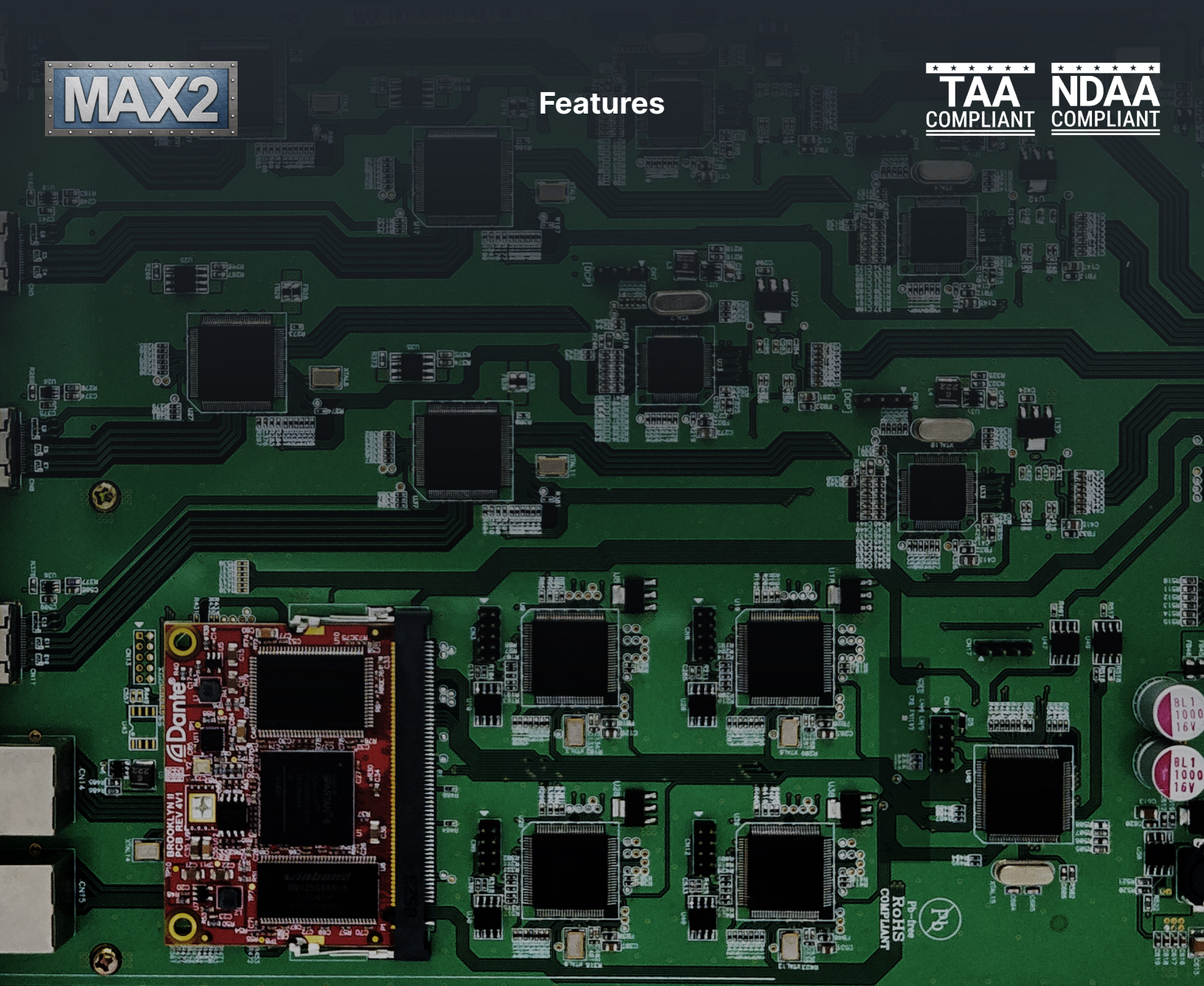
Flexibility	Fully modular and scalable system with Motore 2.0 with frame sizes from 12×12 to 288×288
Reliability	Incorporates our Omni-Flex™ Modular Design (with hot-swappable PSU, and I / O cards), integrates Dante™ Audio I / O, employs our AirLift™ Cooling System, and is TAA compliant
Conversion	Utilizes Don't Blink™ Switching for seamless switching between any input, frame rate, format and the desired output variation
Media Processing	Provides 4K60 4:4:4, HDR, HDMI 2.0, HDCP 2.2

The logo for the MAX2 product, featuring the text "MAX2" in a bold, white, sans-serif font inside a blue rectangular box with a metallic border.

Features

★ ★ ★ ★ ★
TAA
COMPLIANT

★ ★ ★ ★ ★
NDA
COMPLIANT



Dante™ Audio

Seamless distribution of high-quality, uncompressed audio signals across your entire system

Dante™ Audio seamlessly integrates into the MAX2 with the ability to couple any input or output within the frame to Dante™, providing unparalleled access to cutting-edge audio distribution. With low latency, automatic device discovery, and network redundancy, the MAX2's incorporation of Dante™ Audio is celebrated for its exceptional scalability, unwavering reliability, and user-friendly operation.



Features



Motore 2.0™

Full featured 4K60 4:4:4 media processing and auto-scaling with frame rate conversion available at every input and output card

Motore 2.0™ gives the user the ability to maintain flawless image reproduction on every display in their system, no matter the source. This latest innovation ensures users enjoy unparalleled compatibility and unrivaled image quality, seamlessly and without any interruptions or delays.



AirLift™

Modular AirLift™ technology fan blades provide consistent and reliable air flow for direct-cooling of matrix components to keep the MAX2 running at peak efficiency

The AirLift™ cooling system employs advanced cooling mechanisms, meticulously designed to continue the device's optimal performance by consistently maintaining ideal operating temperatures. The AirLift™ blades are ingeniously modular and hot-swappable, granting users unparalleled convenience. Users can conveniently monitor the status of the blades using the intuitive front panel display, providing a seamless and hassle-free experience.

MAX2

Features

★ ★ ★ ★ ★
TAA
COMPLIANT

★ ★ ★ ★ ★
NDA
COMPLIANT



Omni-Flex™

A fully modular, adaptive, and scalable design that offers field upgradeable components including hot-swappable I / O cards, AirLift™ cooling units, and power supplies

Omni-Flex™ provides the MAX2 with unprecedented flexibility. Users can seamlessly swap out power supplies, input / output modules, and fans, enabling effortless customization and optimization of AV systems. This innovative design provides the ultimate versatility and adaptability, revolutionizing the way users configure and evolve their AV solutions.



Media and Data Distribution Management Solution

TAA
COMPLIANT

NDA
COMPLIANT



MATRIX MODULAR FRAMES

MAX2-12X 12X12 MAX2
Dimensions: 17.2" X 14.5" X 8.6"

MAX2-144X 144X144 MAX2
Dimensions: 17.2" X 14.5" X 51.6"

MAX2-20X 20X20 MAX2
Dimensions: 17.2" X 14.5" X 15.6"

MAX2-216X 216X216 MAX2
Dimensions: TBD

MAX2-36X 36X36 MAX2
Dimensions: 17.2" X 14.5" X 15.6"

MAX2-288X 288X288 MAX2
Dimensions: TBD

MAX2-72X 72X72 MAX2
Dimensions: 17.2" X 14.5" X 34"



Input Cards



HDMI



MAX2-HIS100

(4) 4K60 HDMI Inputs with Scaling, Audio Embedding, De-Embedding, and 2ch Dante

DisplayPort



MAX2-DIS100

(4) 4K60 DisplayPort Inputs with Scaling, Audio Embedding, De-Embedding, and 2ch Dante

SDI



MAX2-SIS100

(4) 4K60 12G-SDI Inputs with Scaling, Audio Embedding, De-Embedding, and 2ch Dante

HDBaseT



MAX2-CIS100

(4) 4K60 HDBaseT 3.0 Inputs with Scaling, Audio Embedding, De-Embedding, and 2ch Dante

Fiber



MAX2-FIS100

(4) 4K60 Fiber Inputs with Scaling, Audio Embedding, De-Embedding, 2ch Dante and 10G SFP+ 1 LC SM / MM



Output Cards



HDMI



MAX2-HOS100

(4) 4K60 HDMI Outputs with Scaling, Audio De-Embedding and 2ch Dante

DisplayPort



MAX2-DOS100

(4) 4K60 DisplayPort Outputs with Scaling, Audio De-Embedding and 2ch Dante

SDI



MAX2-SOS100

(4) 4K60 12G-SDI Outputs with Scaling, Audio De-Embedding, 2ch Dante and Gen Lock

HDBaseT



MAX2-COS100

(4) 4K60 HDBaseT 3.0 Outputs with Scaling, Audio De-Embedding, and 2ch Dante

Fiber



MAX2-FOS100

(4) 4K60 1 LC Fiber Outputs with Scaling, Audio De-Embedding, 2ch Dante and 10G SFP+ 1 LC SM / MM

Dante



MAX2-AOD100

4K60 8ch Dante audio with HDMI 2.0 output card

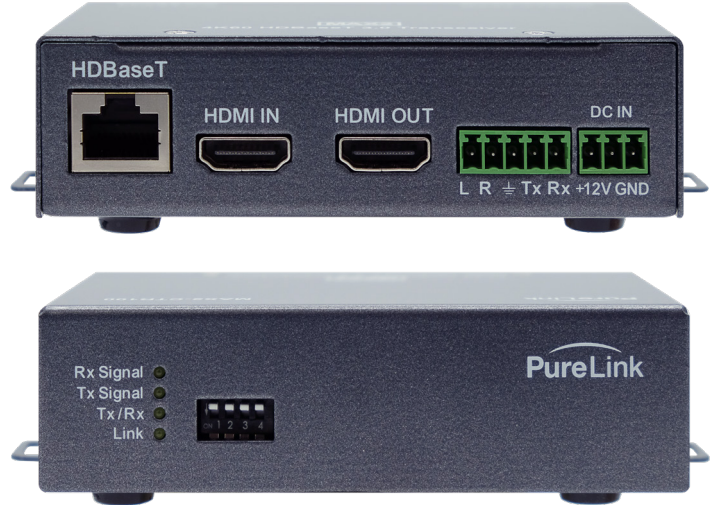


HDBaseT Extender



MAX2-CTR100

HDBaseT 3.0 Transceiver with Audio De-Embedding and RS-232



Technical Specifications

INPUT TYPE/S	(1) HDMI	RESOLUTIONS	Up to 3840×2160 P60
AUDIO CONNECTOR	(1) 3 pin mini Phoenix		
OUTPUT TYPE/S	HDBaseT 3.0		
DATA RATE	18 Gbps		
DISTANCE	330 ft (100m)	DIMENSIONS (WXDXH)	6 X 5.4 X 1.25 in. 152 X 137 X 32 mm
POWER	DC 12V (AC / DC Adapter), PoH Injector 10 Watts Max	WEIGHT	2 lbs. (0.91 kg)

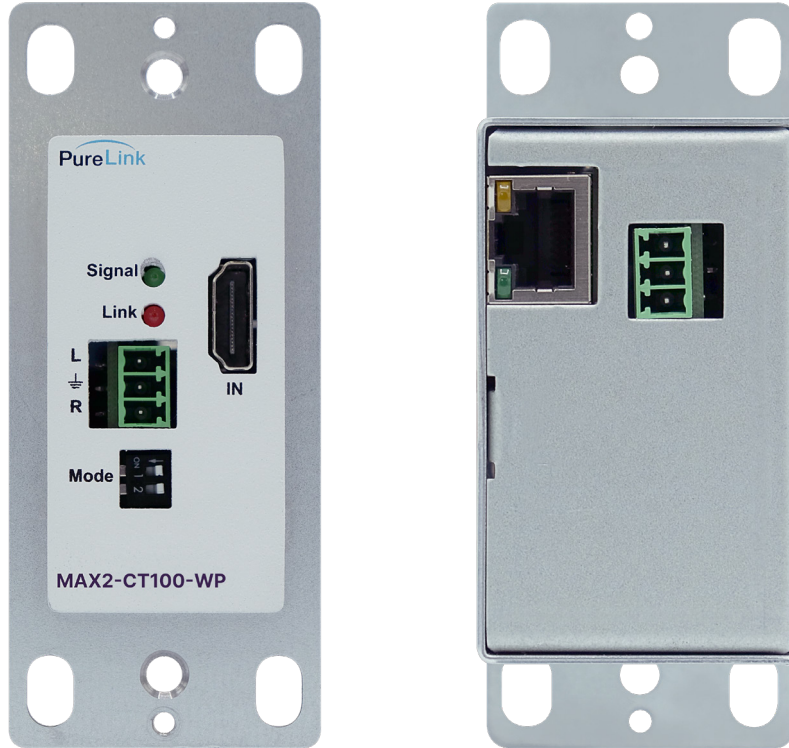


HDBaseT Extender



MAX2-CT100-WP

4K HDMI to HDBaseT 3.0 Transmitter with Audio Insertion - Wall Plate



Technical Specifications

INPUT TYPE/S	(1) HDMI	RESOLUTIONS	Up to 3840×2160 P60
OUTPUT TYPE/S	HDBaseT 3.0		
DATA RATE	18 Gbps		
DISTANCE	330 ft (100m)		
POWER	DC 12V , 10 Watts Max PoH Injector	DIMENSIONS (WXDXH)	1.94 X 3.06 X 4 in. 49 X 78 X 102 mm
		WEIGHT	1 lbs. (0.45 kg)



Fiber Extenders



MAX2-FT100

4K HDMI to 1 LC Transmitter with Audio Embedding and RS-232



Technical Specifications

INPUT TYPE/S	(1) HDMI	RESOLUTIONS	Up to 3840×2160 P60
AUDIO CONNECTOR	(1) 3 pin mini Phoenix		
OUTPUT TYPE/S	1 LC Fiber		
DATA RATE	18 Gbps		
DISTANCE	Single Mode: 2km Multi Mode: 300m	DIMENSIONS (WXDXH)	6 X 5.4 X 1.25 in. 152 X 137 X 32 mm
POWER	DC 12V, 10 Watts Max	WEIGHT	2 lbs. (0.91 kg)

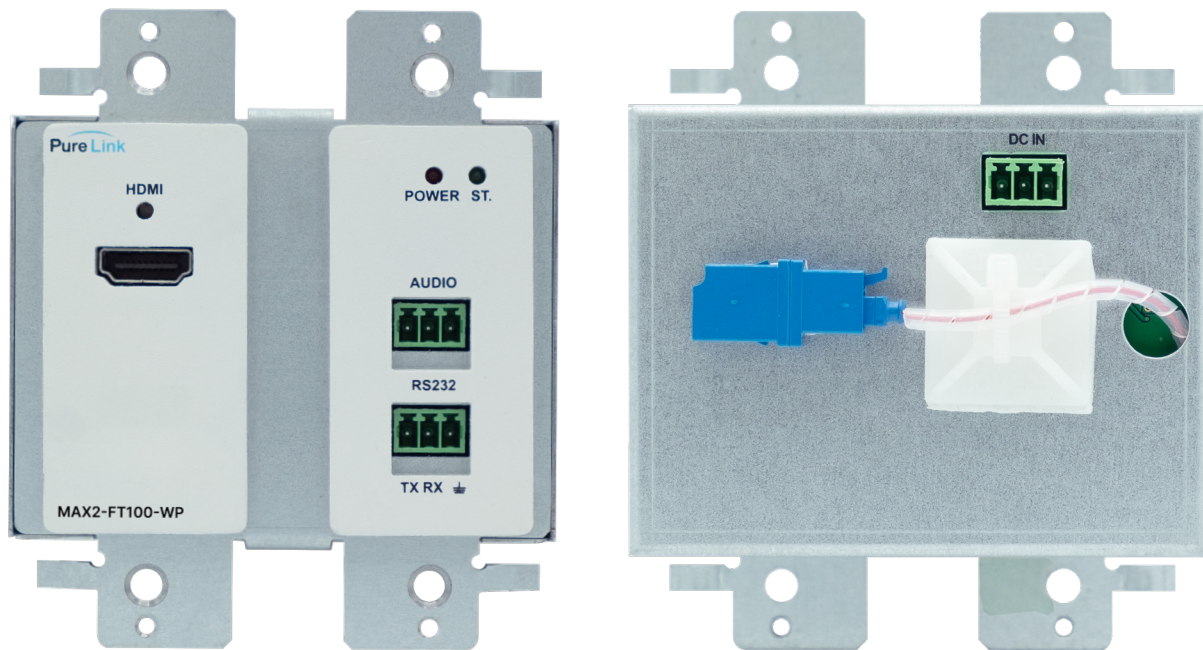


Fiber Extenders



MAX2-FT100-WP

4K HDMI to 1 LC Fiber Wallplate Transmitter with RS-232 - Wall Plate



Technical Specifications

INPUT TYPE/S	(1) HDMI	RESOLUTIONS	Up to 3840×2160 P60
AUDIO CONNECTOR	(1) 3 pin mini Phoenix		
OUTPUT TYPE/S	1 LC Fiber		
DATA RATE	18 Gbp		
DISTANCE	Single Mode: 2km Multi Mode: 300m	DIMENSIONS (WDXH)	TBD
POWER	DC 12V, 10 Watts Max	WEIGHT	TBD



Fiber Extenders



MAX2-FR100

1 LC Fiber to HDMI Receiver with Audio De-Embedding



Technical Specifications

INPUT TYPE/S	1 LC Fiber	RESOLUTIONS	Up to 3840×2160 P60
AUDIO CONNECTOR	(1) 3 pin mini Phoenix		
OUTPUT TYPE/S	(1) HDMI		
DATA RATE	18 Gbps		
DISTANCE	Single Mode: 2km Multi Mode: 300m	DIMENSIONS (WXDXH)	6 X 5.4 X 1.25 in. 152 X 137 X 31 mm
POWER	DC 12V, 10 Watts Max	WEIGHT	2 lbs. (0.91 kg)



Media and Data Distribution Management Solution



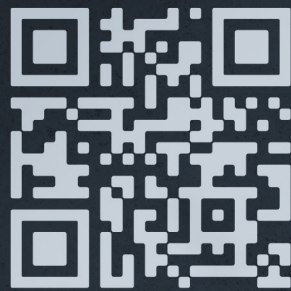
Features	Model Number I/O Capacity		
	MAX2-12X	MAX2-20X	MAX2-36X
	12x12	20x20	36x36
HDMI, DisplayPort, HDBaseT 3.0, Fiber and 12G SDI	•	•	•
HDMI 2.0 HDCP 2.2	•	•	•
4K60 4:4:4 HDR	•	•	•
HDCP Compliant	•	•	•
EDID (Emulation and Selectable Presets)	•	•	•
PoH Injector	•	•	•
Dante	•	•	•
Redundant Power	•	•	•
5-Pin Phoenix Balanced / Unbalanced audio matrix routing	Optional	Optional	Optional
Advanced RS-232	•	•	•
Inputs directly compatible with MAX2 extender transmitters	•	•	•
Output directly compatible with MAX2 extender receivers	•	•	•
Selectable PCM 2Ch audio	•	•	•
Selectable Audio Embedding / De-Embedding (Audio Breakway)	•	•	•
LCD Touchscreen Display with Security Lockout	•	•	•
Input / Output Signal Analysis (Reslution, EDID, HDCP, Signal Status)	•	•	•
Bi-Directional RS-232 LAN Control	•	•	•
Auto-Scaling with Don't Blink Switching Technology	•	•	•
Router-Based Firmware updating of Extender via LAN, RS-232	•	•	•
Genlock 12G SDI OUT	•	•	•
MAX2 Air Lift Fan	•	•	•
Video Sync Detect	•	•	•
Video Wall / Multi View	•	•	•
MAX2 Tools	•	•	•



Media and Data Distribution Management Solution



Features	Model Number I/O Capacity			
	MAX2-72X	MAX2-144X	MAX2-216X	MAX2-288X
	72x72	144x144	216x216	288x288
HDMI, DisplayPort, HDBaseT 3.0, Fiber and 12G SDI	•	•	•	•
HDMI 2.0 HDCP 2.2	•	•	•	•
4K60 4:4:4 HDR	•	•	•	•
HDCP Compliant	•	•	•	•
EDID (Emulation and Selectable Presets)	•	•	•	•
PoH Injector	•	•	•	•
Dante	•	•	•	•
Redundant Power	•	•	•	•
5-Pin Phoenix Balanced / Unbalanced audio matrix routing	Optional	Optional	Optional	Optional
Advanced RS-232	•	•	•	•
Inputs directly compatible with MAX2 extender transmitters	•	•	•	•
Output directly compatible with MAX2 extender receivers	•	•	•	•
Selectable PCM 2Ch audio	•	•	•	•
Selectable Audio Embedding / De-Embedding (Audio Breakway)	•	•	•	•
LCD Touchscreen Display with Security Lockout	•	•	•	•
Input / Output Signal Analysis (Reslution, EDID, HDCP, Signal Status)	•	•	•	•
Bi-Directional RS-232 LAN Control	•	•	•	•
Auto-Scaling with Don't Blink Switching Technology	•	•	•	•
Router-Based Firmware updating of Extender via LAN, RS-232	•	•	•	•
Genlock 12G SDI OUT	•	•	•	•
MAX2 Air Lift Fan	•	•	•	•
Video Sync Detect	•	•	•	•
Video Wall / Multi View	•	•	•	•
MAX2 Tools	•	•	•	•



**Mission-Critical
Cross-Platform Matrix Switching**



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