BrightSign® XS6

BrightSign's highest-performing System-on-a-Chip.



BrightSign XS6 delivers a high-performance System on a Chip (SoC) solution with built-In technology that seamlessly integrates into commercial displays to deliver stunning, secure, and reliable all-in-one digital signage with stunning 4k 60Hz visuals.

Small Showcases

Big experiences in a wide array of spaces.



- Flawless video playback
- Essential animations
- Flexible interactive options

Large Impressions

Bring extensive experiences to life.



- Full HD or 4K model options
- Streaming video
- Streamlined deployment

Versatile Designs

Easily integrated into any existing set up.



- Choice of interactive ports
- POS integrations
- Vast integrated CMS options

Unique Shapes and Sizes

Deliver experiences in uncommon spaces or aspect ratios.



- Efficient all-in-one solution
- Versatile network possibilities
- Remote player management



XS156

HD Package

Embeds commercial displays with stunning 4K 60Hz video, 4K graphics and flexible connectivity options.

The BrightSign XS6 Advantage

- Enables qualified screen manufacturers to offer trusted BrightSign-based SoC displays
- Streamline installations with an all-in-one solution that minimizes cabling and setup time
- Seamlessly embed into small and large format displays with Full HD or 4K 60Hz options
- Expand opportunities to deliver compelling signage features and run higher-quality, impactful 4K graphics
- Compatible with all BrightSign software, services, and integrated CMS solutions
- Operate with unparalleled reliability, security, and sustainability on BrightSignOS™
- Reduce total cost of ownership with complimentary remote player management and controls
- Obtain CMS choice flexibility with a trusted global network of leading integrated partner solutions
- Leverage an integrated Neural Processing Unit (NPU) which enables BrightSign players to run powerful AI applications without compromising on video or graphics performance

BrightSignOS™

The power of purple.

BrightSignOS is a purpose-built operating system designed exclusively for digital signage, delivering unmatched reliability, security, and performance for always-on environments. Unlike general-purpose operating systems, it is engineered to support dedicated, long-term, and consistent signage experiences at scale.



RELIABLE. Engineered for continuous operation for always-on performance you can trust.

- Automatic fault detection and self-healing protocols for recovery without intervention
- Remote diagnostics and controls to reduce costly on-site visits
- Supports replaceable storage and fixed memory is available on BrightSign players



FLEXIBLE. Supports 200+ CMS partners, open APIs, and built to be adaptable to any use case, today and tomorrow.

- 200+ CMS partner integrations without switching hardware
- Supports AI at the edge via integrated Neural Processing Units (NPU) on BrightSign players
- Used in a wide portfolio of players and built-in SoC solutions for any use case



SECURE. Security is embedded at every layer, in addition to secure boot, and a small attack footprint.

- Runs only BrightSign-approved code and extensions
- Configurable to any type of security profile
- Long-term OS patching and updates (5+ years)



SUPERIOR. Deliver stunning visuals with high-quality video and graphics.

- Enables 4K and 8K video playback with high-fidelity graphics
- Synchronized multi-player support for video walls and multi-screen installs
- Highly extensible to securely run specialized signage technologies



VALUE. Lower total cost of ownership and free built-in device management.

- Industry-leading 5-year warranty
- Free device management is included with every player
- Remote diagnostics and monitoring reduce costly on-site visits



SUSTAINABLE. Stay relevant longer with energy-efficient hardware, intelligent display control, and remote management.

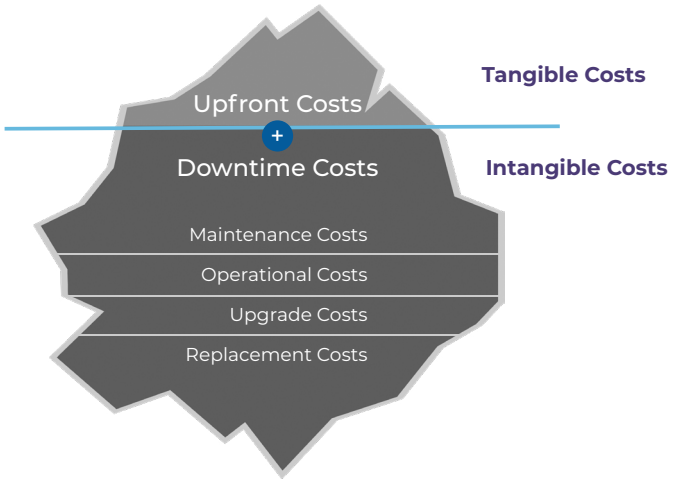
- Supports low power consumption with intelligent off-hours display control
- Optimized for media playback and device control
- Purpose-built OS without unnecessary software or processes

Invest in BrightSignOS to achieve long-term success

Designed to reduce risk and save on signage.

Downtime is the most expensive investment in signage that often gets overlooked. Failure doesn't happen at implementation, it happens after. BrightSignOS™ is designed to solve and mitigate ongoing risks to avoid rip and replace situations resulting in huge savings throughout the long life of your player.

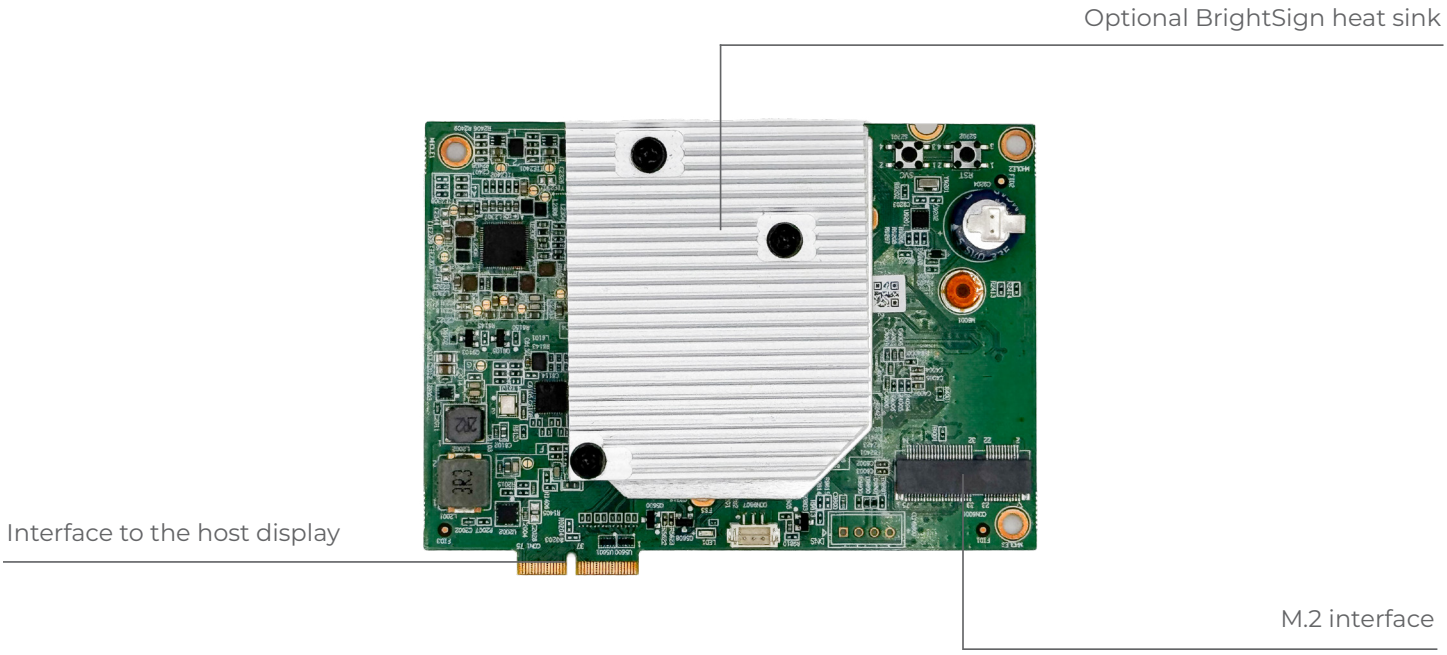
TOTAL COST OF OWNERSHIP



Hardware Specifications

Customizable I/0

Front View



Software & Services

A scalable cloud infrastructure that securely connects BrightSign players to a suite of integrated services for remote device, content, and network management.

BrightSign® **CONTROL**
Free remote player monitoring and control service.

BrightSign® **CONTROL** PLUS
Fleet management service with bulk operations, remote diagnostics, AI-powered assistance, centralized scheduling at scale, and network management.

BrightSign® **AUTHOR**
Free software to provision players, access BrightSign Author Plus, and connect to a variety of partner CMS solutions.

BrightSign® **AUTHOR** PLUS
Complete cloud-based CMS for scalable, centralized content management across distributed digital signage networks.

Partner CMS Solutions
Flexible choices with seamless player integrations.

Together, BrightSign Control Plus and BrightSign Author Plus deliver the full advantages of intelligent fleet management with a modern cloud CMS solution to remotely manage devices, and publish content — no matter where you are.

Technical Specifications

	XS156
I/O Package	4K Expanded I/O
AI ENABLEMENT	
Neural Processing Unit (NPU)	√
VIDEO & HTML5 ENGINES	
4K video decoding	Dual 10-bit at 60p
Full HD at 60p video decoding	√ (dual)
4K video rotation	√
HD images & graphics	√
HTML5 Performance	Responsive multi-touch 2D WebGL
HTML support: HTML5, CSS, JavaScript, SVG, WebGL, and Chromium compatible	√
Supports 4K IP streaming	√
HTML resolution	4K
10-bit HDR support	√
MEDIA FORMATS	
4K Video codecs: H.265/HEVC, H.264/AVC, VP9	√
4K Video Containers: MP4, .MOV, .MKV, .WEBM, .TS, .MPG, .MPEG, .PS, .M2P, .MPV, .AVI, .HEVC, .H264, .AV1, .VP9, and .MJPG	√
Full HD Video Codecs: H.265/HEVC, H.264/AVC, VP9, MPEG 4 part 2, MPEG1 video, MPEG2 video	√
Full HD Video Containers: MP4, .MOV, .MKV, .WEBM, .TS, .MPG, .MPEG, .PS, .M2P, .MPV, .AVI, .HEVC, .H264, .AV1, .VP9, and .MJPG	√
Images: BMP, JPEG, PNG	√
Audio: MP2, MP3, AAC and WAV (eAC3 is passed through)	√
DISPLAY RESOLUTIONS	
Supports all common screen resolutions	√ (up to 4K 60Hz)
Supports additional & customizable display resolutions with unique aspect ratios	√
BRIGHTSIGN ACCESSORIES	
BP200 & BP900 USB Button Pads	√
MicroSD Class 10 Cards (various capacities)	√
BrightSign Mobile USB Modem & Service	√
MISCELLANEOUS	
Dimensions (W x D x H)	100 x 70 x 14.25 mm
Multi-Country Power & Regulatory Approvals	√
Power Supply	12V / 1.5A
Built-in Wall Mounting	√
Included 5-Year Warranty, parts and labor*	√

*Warranty program applies to Series 5 players and beyond purchased from BrightSign after January 1, 2025. Warranty program does not apply to accessories. Learn more at https://www.brightsign.biz/brightsign-players/warranty/.

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