BrightSign® XC5

High-perfomance, multi-output player.

Powered by Intel



BrightSign XC5 is the ultimate PC alternative, transforming DVLEDs, video walls, and immersive content into captivating experiences with breathtaking 8K video, revolutionary 3D motion graphics, up to four HDMI outputs supporting 4K, the option of secure SSD storage, and the flexibility to choose BrightSignOS or Microsoft Windows as the operating system.

Dramatic DVLED Displays

Immersive 8K experiences.



- Lifelike 8K visuals
- Vibrant colors in 10-bit HDR
- Reliable and energy-efficient

Advanced Graphics Experiences

Extraordinary PC-class power.



- Robust 3D motion graphics
- Powerful PC alternative
- Sophisticated interactions

Simplified Video Walls

Perfect video walls with a single player.



- Multiple HDMI outputs
- Vivid 8K video & graphics
- Streamlined creation tools

Multi-Screen Mastery

Simultaneous screen operation.



- Coordinate multiple screens
- Unified messaging
- Unique content per display



XC2055
2 HDMI Outputs

Delivers groundbreaking video and PC-class graphics performance across two screens with an OS choice of BrightSignOS, Windows 11 IoT or Windows 10 IoT.

XC4055
4 HDMI Outputs

Takes control of four screens simultaneously with double the graphics power with an OS choice of BrightSignOS, Windows 11 Iot or Windows 10 IoT.



BrightSignOS™ | Windows

The BrightSign XC5 Advantage

- Revolutionize digital signage with a powerful, reliable PC alternative and flexible OS choice
- Captivate audiences with stunning 8K resolution video and motion graphics support
- Immerse users with high-speed 3D motion graphics and sophisticated engagement
- Achieve perfect video walls every time with a single player
- Ensure consistency and shorter time to market with a standardized globally available hardware platform
- Deploy confidently with BrightSign's fanless commercial-grade design, reinforcing our commitment to reliability
- Maximize efficiency with simple video wall creation tools and consolidated single-player distribution
- Reduce total cost of ownership with complimentary remote player management and controls*
- Achieve CMS choice flexibility with a trusted global network of leading integrated partner solutions

*Not available on XC5 Windows

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.

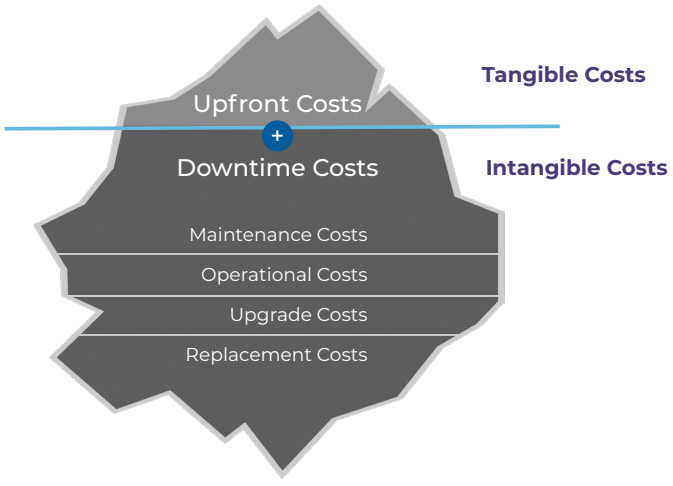
- Supports low power consumption with intelligent off-hours display control
- Optimized for media playback and device control
- Purpose-built OS without unnecessary software or processes

Invest in BrightSignOS to achieve long-term success

Designed to reduce risk and save on signage.

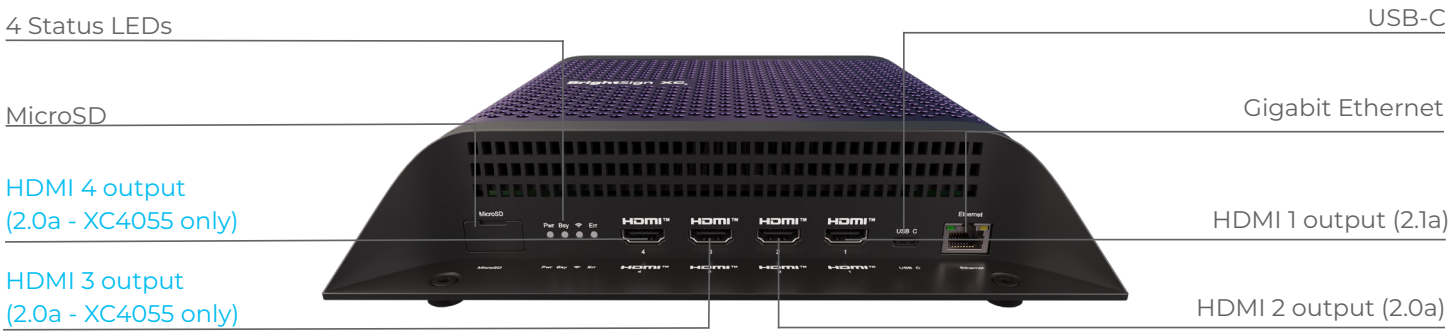
Downtime is the most expensive investment in signage that often gets overlooked. Failure doesn't happen at implementation, it happens after. BrightSignOS™ is designed to solve and mitigate ongoing risks to avoid rip and replace situations resulting in huge savings throughout the long life of your player.

TOTAL COST OF OWNERSHIP

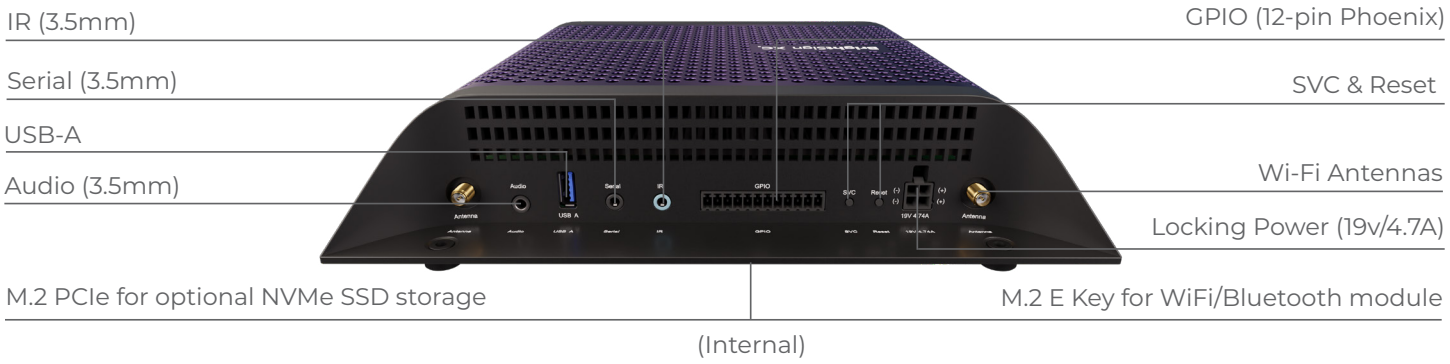


Hardware Specifications

Front View



Rear View



- USB Type C port: supports high-speed host mode & provides 5V/1A power to peripheral devices
- USB Type A port: provides 5V/1A power to peripheral devices
- GPIO port: 8 bi-directional GPIOs
- Audio port: supports analog & SPDIF digital
- Real time clock: 14-day life
- Ports not supported when running Windows OS include: GPIO, USB-C, IR, Serial, Audio, and 3 of the 4 status LEDs (power LED is supported)
- HDMI 1 output (2.1a) supports 8K
- HDMI 2 and HDMI input (2.0a) supports 4K

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

	XC2055	XC4055
I/O Package	Expanded Multiplex	Expanded Multiplex
Operating System	Choice of BrightSignOS, Windows 11 IoT or Windows 10 IoT	
Intel Processor	Intel Gen 11 Celeron with 8GB RAM	Intel Gen 11 i5 with 8GB RAM
VIDEO & HTML5 ENGINES		
Single 8K60p video decoding	√ (8-bit)	√ (10-bit)
4K60p video decoding	Dual (10-bit)	Quad (10-bit)
HDR10, HLG & Rec.2020/BT.2020 Support	√	√
4K video rotation	√	√
8K Full Resolution Graphics	√	√
HTML5 Performance	Up to 8K 3D WebGL across 2 screens	2x the power of XC2055 across 4 screens
OpenGL graphics compatibility	√	√
HTML support: HTML5, CSS, JavaScript, SVG, WebGL, and Chromium compatible	√	√
Supports 4K IP streaming	√	√
MEDIA FORMATS		
8K video codecs: H.265/HEVC, VP9	√	√
8K Video Containers: .MP4, .MOV, .MKV, .WEBM, .TS, .MPG, .MPEG, .PS, .M2P, .MPV, .HEVC, .H264, .AV1, .VP9, and .MJPG	√	√
4K Video codecs: H.265/HEVC, H.264/AVC, AV1, VP9, MPEG 4 part 2, MPEG1 video, MPEG2 video, or MJPEG video	√	√
4K Video Containers: .MP4, .MOV, .MKV, .WEBM, .TS, .MPG, .MPEG, .PS, .M2P, .MPV, .HEVC, .H264, .AV1, .VP9, and .MJPG	√	√
Full HD Video Codecs: H.265/HEVC, H.264/AVC, AV1, VP9, MPEG 4 part 2, MPEG1 video, MPEG2 video, or MJPEG video	√	√
Full HD Video Containers: MP4, .MOV, .MKV, .WEBM, .TS, .MPG, .MPEG, .PS, .M2P, .MPV, .HEVC, .H264, .AV1, .VP9, and .MJPG	√	
Images: BMP, JPEG, PNG up to 8K resolution	√	√
Audio: MP2, MP3, AAC and WAV (AC3 is passed through)	√	√
DISPLAY RESOLUTIONS		
Supports all common screen resolutions up to 8K (7680x4320 @60fps)	√	√
Supports additional & customizable display resolutions with unique aspect ratios	√	√
ACCESSORIES		
BP200 & BP900 USB Button Pads	√	√
MicroSD Class 10 Cards (various capacities)	√	√
256GB PCIe NVMe M.2 SSD	√	√
BrightSign Mobile USB Modem & Service	√	√
MISCELLANEOUS		
Operating Temperature Range	0°C to 40°C	
Dimensions (W x D x H)	253.2 x 232.12 x 48mm	
Shipping Weight / Player Weight	3 kg / 1.41 kg	
Locking Power Supply	19V / 4.7A	
Multi-Country Power & Regulatory Approvals	√	√
Built-in Wall Mounting	√	√
Included 5-Year Warranty, parts and labor*	√	√

*Warranty program applies to Series 5 players 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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