BrightSign® XC5

High-perfomance, multi-output player.

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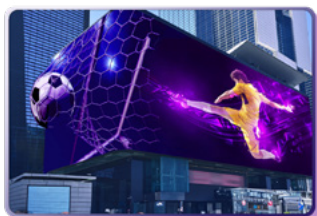
- Lifelike 8K visuals
- Vibrant colors in 10-bit HDR
- Reliable and energy-efficient

Advanced Graphics Experiences

Extraordinary PC-class power.

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

Simplified Video Walls

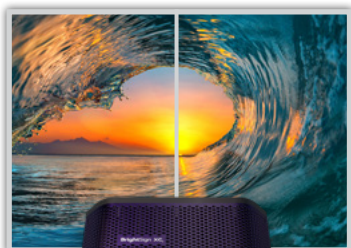Perfect video walls with a single player.

- 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.
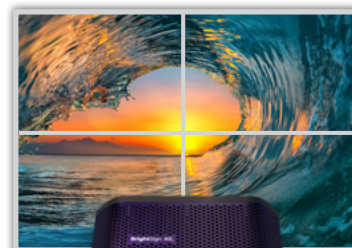
BrightSignOS™ | **Windows**

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.

The only purpose-built operating system that brings unrivaled reliability, security, signage power and sustainability to every BrightSign player.

SECURE

Unrivaled security that reduces risk to near zero with purpose-built file system designed to remove vulnerabilities and only runs signage.
- Exceptionally protected operating system with a secure digital signature
- Runs a singular signage application to protect against viruses
- Configurable to any type of security profile
- Security extends to integrated CMS solutions

RELIABLE

Legendary reliability with unmatched uptimes and a lower total cost of ownership.
- Persistent self-healing protocols resulting in unmatched uptimes
- Secure built-in remote player management and monitoring
- Remote diagnostics and controls to reduce costly on-site visits
- Removable storage that avoids rip/replace situations

SUPERIOR

Superior signage performance for simple to sophisticated experiences.
- Optimized to run cutting-edge video and motion graphics
- Abundant signage features available with free authoring software
- Integrated with hundreds of global CMS solutions
- Highly extensible to securely run specialized signage technologies

SUSTAINABLE

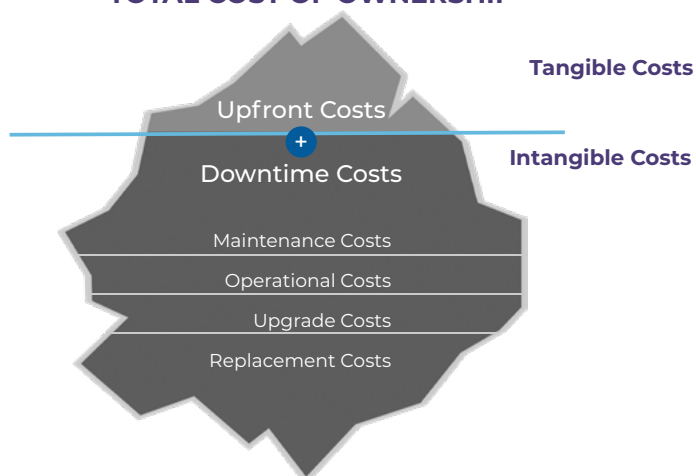**Unmatched sustainability** through updates that stay ahead of market demands.
- Low power requirements with high performance
- Guaranteed long life cycle support for unprecedented longevity
- Free updates applied on-demand and consistent across hardware generations
- Remote re-provisioning at any time to ensure flexibility

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

Upfront Costs

+

Downtime Costs

Maintenance Costs

Operational Costs

Upgrade Costs

Replacement Costs

Tangible Costs

Intangible Costs

Hardware Specifications

Front View

4 Status LEDs

MicroSD

HDMI 4 output
(2.0a - XC4055 only)

HDMI 3 output
(2.0a - XC4055 only)

USB-C

Gigabit Ethernet

HDMI 1 output (2.1a)

HDMI 2 output (2.0a)

Rear View

IR (3.5mm)

Serial (3.5mm)

USB-A

Audio (3.5mm)

GPIO (12-pin Phoenix)

SVC & Reset

Wi-Fi Antennas

Locking Power (19v/4.7A)

M.2 PCIe for optional NVMe SSD storage

M.2 E Key for WiFi/Bluetooth module

(Internal)
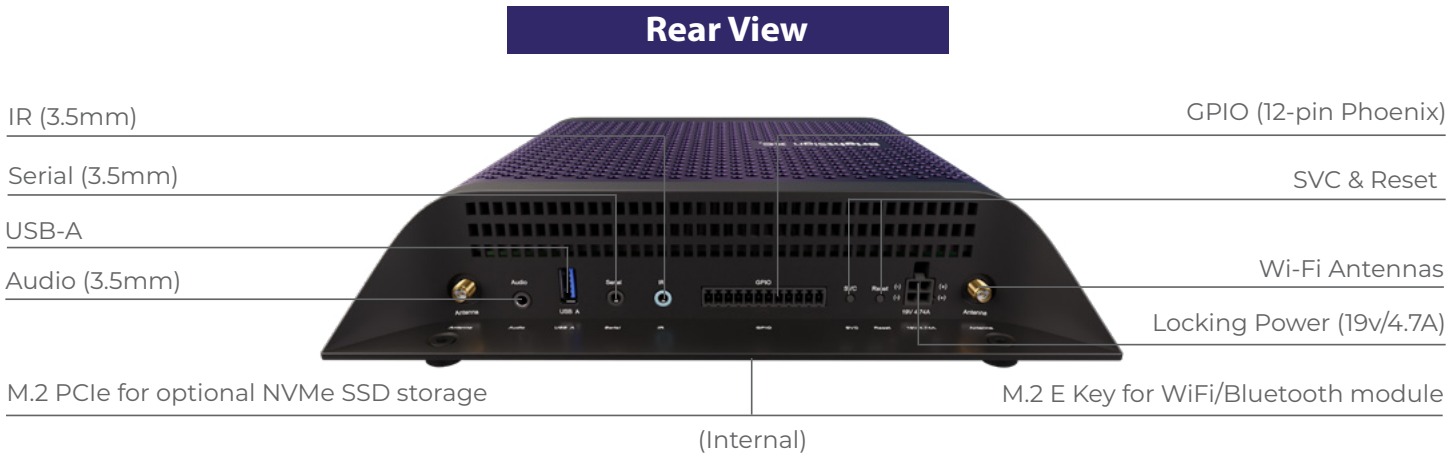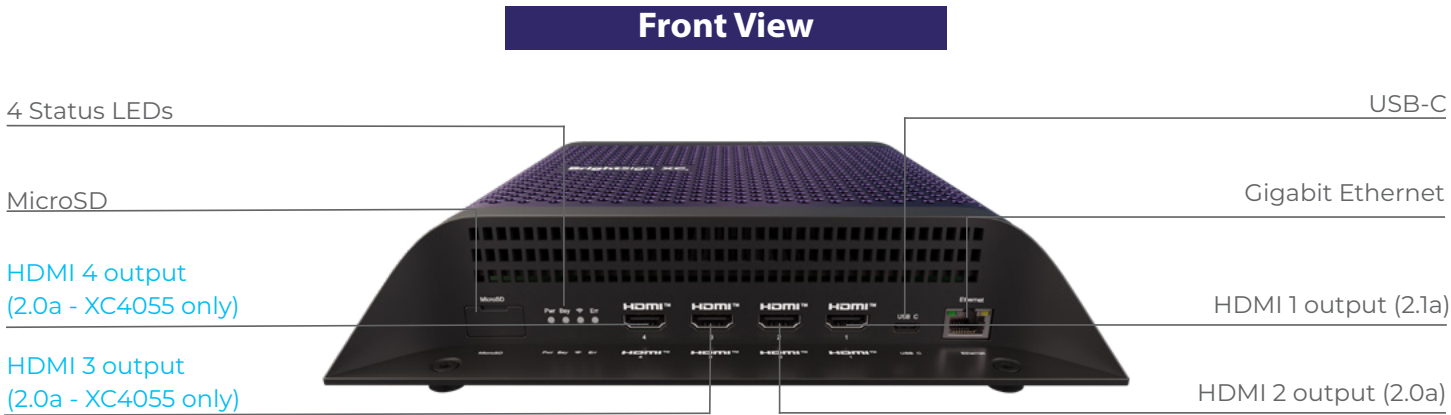
- USB Type C port: supports high-speed host mode & provides 5V/1A power to peripheral devices
- USB Type A port: provides 5V/1A power to peripheral devices
- GPIO port: 8 bi-directional GPIOs
- Audio port: supports analog & SPDIF digital
- Real time clock: 14-day life
- Ports not supported when running 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.

bsn. Control

Free remote player monitoring and control service with a choice of CMS.

bsn. Content

Paid CMS service for cloud-based content, network and user management.

Partner CMS Solutions

Flexible choices with seamless player integrations.

brightAuthor connected

Free software to provision players, access BSN.Cloud services, and connect to a variety of partner CMS solutions.

bsn.Control   bsn.Content   brightAuthor connected

BSN.Cloud Solution

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	X (8-bit)	X (10-bit)
4K60p video decoding	Dual (10-bit)	Quad (10-bit)
HDR10, HLG & Rec.2020/BT.2020 Support	X	X
4K video rotation	X	X
8K Full Resolution Graphics	X	X
HTML5 Performance	Up to 8K 3D WebGL across 2 screens	2x the power of XC2055 across 4 screens
OpenGL graphics compatibility	X	X
HTML support: HTML5, CSS, JavaScript, SVG, WebGL, and Chromium compatible	X	X
Supports 4K IP streaming	X	X
MEDIA FORMATS		
8K video codecs: H.265/HEVC, VP9	X	X
8K Video Containers: .MP4, .MOV, .MKV, .WEBM, .TS, .MPG, .MPEG, .PS, .M2P, .MPV, .AVI, .HEVC, .H264, .AV1, .VP9, and .MJPG	X	X
4K Video codecs: H.265/HEVC, H.264/AVC, AV1, VP9, MPEG 4 part 2, MPEG1 video, MPEG2 video, or MJPEG video	X	X
4K Video Containers: .MP4, .MOV, .MKV, .WEBM, .TS, .MPG, .MPEG, .PS, .M2P, .MPV, .AVI, .HEVC, .H264, .AV1, .VP9, and .MJPG	X	X
Full HD Video Codecs: H.265/HEVC, H.264/AVC, AV1, VP9, MPEG 4 part 2, MPEG1 video, MPEG2 video, or MJPEG video	X	X
Full HD Video Containers: H.265/HEVC, H.264/AVC, AV1, VP9, MPEG 4 part 2, MPEG1 video, MPEG2 video, or MJPEG video	X	
Images: BMP, JPEG, PNG up to 8K resolution	X	X
Audio: MP2, MP3, AAC and WAV (AC3 is passed through)	X	X
DISPLAY RESOLUTIONS		
Supports all common screen resolutions up to 8K (7680x4320 @60fps)	X	X
Supports additional & customizable display resolutions with unique aspect ratios	X	X
ACCESSORIES		
BP200 & BP900 USB Button Pads	X	X
MicroSD Class 10 Cards (various capacities)	X	X
256GB PCIe NVMe M.2 SSD	X	X
BrightSign Mobile USB Modem & Service	X	X
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	X	X
Built-in Wall Mounting	X	X
Included 5-Year Warranty, parts and labor*	X	X

*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/.