H200W

A WiFi enabled 4K UHD media player with BLE 5.2 for greater deployment flexibility and a wide range of enterprise video and signage use cases.



Overview

The H200W is part of Amino's H200 series and is designed to offer enhanced flexibility for digital signage and enterprise video applications. What sets the H200W apart is its integrated WiFi capability, allowing for easier deployment in a wider range of use cases and locations without relying on wired connections.

Engineered for quick and seamless setup, the H200W offers simple setup wizards, cloud management options and support for pre-certified CMS partner applications, making it an intuitive solution for most digital signage environments.

Key features include a built-in web browser, JavaScript SDK, and management API interface, giving systems integrators all the tools they need for easy deployment.

For added convenience, the H200W supports both local management APIs and cloud-hosted management through Amino's Orchestrate platform, ensuring you can monitor and manage devices over any IP network with ease.

Captivating Real-Time Video Experiences
Enjoy low-latency streaming for live video applications such as sports gaming and events, ensuring seamless real-time decoding and immersive viewing.

Interactive and Engaging Content Experiences
Leverage the built-in browser and Media Player JavaScript Extensions for a wide range of web/HTML5-based applications, enhancing interaction and engagement.

Effortless Management and Support
Manage and support your deployments easily, locally or remotely via the cloud, with Orchestrate Device Management. Easily schedule, update and diagnose your signage and enterprise video deployments. Streamline support and ensure optimal performance.

Enhanced Control and Flexibility
Access local REST-based APIs to integrate and customize device management functionalities from resident native and web applications, enhancing control and flexibility.

Secure and Reliable Operation
Benefit from rigorous security measures, including quarterly firmware updates and monitoring for any CVE or security-related issues, ensuring secure and reliable operation, device integrity and reliability.





Key features

Device Management
Options for local or remote device management. REST API for media player management on closed or private networks and the Orchestrate SaaS solution allowing remote management and support for connected devices.

Channel Zapper
Built-in application for easy access and decoding of IP video streams, simplifying the user experience.

Multi Decode Function
The H200 series offers versatile multi-decode capabilities, supporting side-by-side broadcasts, picture-in-picture and mosaic displays for live video and signage usage. With support for single 4Kp60, Dual 4Kp30, Quad 1080p60 and multiples of SD decode, you can create dynamic content arrangements tailored to your needs.

Low-Latency Streaming
Real-time video decoding with low-latency capabilities for seamless viewing of fast-paced, time-sensitive content. The low-latency protocols support include LL-HLS, LL-DASH, Web-RTC and Secure Reliable Transport (SRT).

Robust Secure Design
Tamper-proof and ruggedized chassis for durability and resistance to unauthorized access, ensuring reliable performance in demanding environments.

Security and Firmware Updates
We provide regular quarterly security releases to ensure your device's firmware is up-to-date, enhancing security and reliability while safeguarding the integrity of your content.

Built-in Browser Component
Enables execution of web/HTML5-based applications, offering interactive and engaging content experiences.

Web Development SDK
Includes media centric customized browser that supports an extensive set of Javascript APIs and a sample media player application that can be extended to provide a unique interactive viewing experience. The SDK enables use cases that include device management and control as well as video playback of Amino supported streaming formats.

Command Scheduler API
A powerful set of APIs that allow for scheduling of events and activities at the operating system level which provides functionality outside of the set of installed applications and even allows the ability to switch focus between them programmatically.

Optimized Content Delivery
Both H200 and H200W deliver high-quality images, videos and graphics at reduced bandwidth with their AV1/HEVC 4Kp60 capability, ensuring an immersive visual experience.

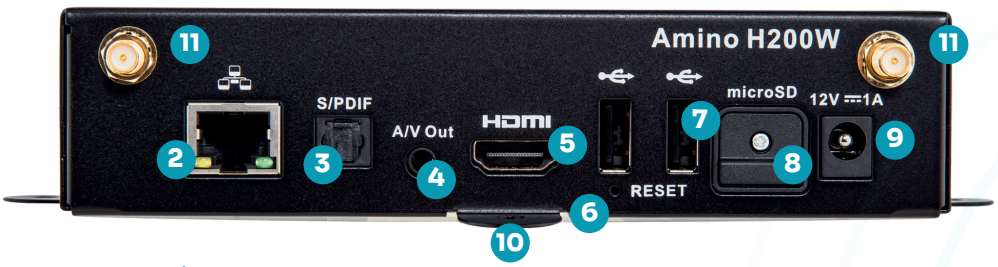
Ease of Install
The series simplifies deployment and installation across various environments with zero-touch provisioning through our device management options and a simple setup wizard.

Pre-Integrated CMS Solutions
Our media players support a range of accredited CMS solutions, fully optimized to deliver top performance and comprehensive support, ensuring your content management experience is streamlined and efficient.

Front View



Back View









Accessories

1. IR Receiver Panel
2. Ethernet
3. Digital Audio (S/PDIF)
4. A/V Out
5. HDMI
6. Reset button
7. 2x USB
8. SD Card Slot
9. Power 12V/1A
10. VESA Mount
11. WiFi Antenna
12. Remote Control
13. Power Supply
14. HDMI Cable

Specifications

Processing

CPU	21.8K DMIPs
DRAM	4 GB RAM
Flash	32GB eMMC Flash

Interfaces

Digital Video	HDMI 2.1
Analog Video	CVBS + L/R Audio
Ethernet	10/100/1000
USB	2x USB 2.0
Digital Audio	Optical S/PDIF
Remote Control Support	IR 36KHz
Status LEDs	Power/Standby
Memory	Storage Expansion: MicoSD (Screw Lock Cover)
WiFi	2 external detachable antenna 2x2 802.11ax
Bluetooth	Bluetooth v5.2

Software

- JavaScript SDK for web application development
- REST API for Device Management
- Compatible with Orchestrate Cloud Device Management
- Pre-integrated CMS solutions (Contact us for more information)
- Native Application support

Video & Audio Formats

Video Resolution and Output Standards	480i, 480p, 576i, 576p, 720p, 1080i, 1080p60, 2160p60 10-bit (4Kp60) HDR10+ and HLG
Audio Codecs	LC-ACC & HE-AAC
Video Codecs	AV1, HEVC/H.265, AVC/H.264 (MPEG-4, Part 10), MPEG-2, VP9
IP Streaming Formats	RTSP, HLS, LL-HLS, Dash, LL-Dash, SRT, HTML5 Video-Tag

Networking & Security

Networking Standards	IGMPv2 / IGMPv3 UDP-Multicast, UDP-Unicast
Environmental and Safety	FCC, CE, CB, UKCA and ROHs compliance

Power

Power Supply	12V/1A (9W maximum)

Operating Environment

Temperature	5-40°C (40-104°F) operating temperature
Humidity	30-95% relative humidity

Physical Properties & Mechanics

Size (L*W*H) in millimeters	158 x 121 x 38 ; mounting: 16 (without antenna connected)
Weight	540g
Mounting Options	VESA mounting brackets

Want to know more?

Scan me

www.amino.tv

Customer Support

letstalk@amino.tv