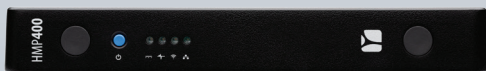




HMP400 & HMP400W

The mission-critical player



HMP400 front view



HMP400 back view



HMP400W with wifi

CONNECTORS & PORTS

Video	HDMI 2.0 (lockable) or DisplayPort 1.2 (USB-C lockable alternate mode)
USB port	3x USB 3.0 (USB-C lockable)
Network	Ethernet 1GbE, IEEE 802.3ab, IEEE 802.3u, IEEE 802.3az. HMP400W (with Wifi module): Wi-Fi IEEE 802.11a/b/g/n/ac Wave 2, 2x2 MIMO
Power supply	Power over Ethernet (PoE+/802.3at) or USB-C lockable Power Delivery 2.0, 27W (min 3A@9V)

SIZE & WEIGHT

Size	Width: 7.87" / 200mm, height: 1.1" / 28mm, depth: 4.72" / 120mm
Weight	660g

DSOS™ (DIGITAL SIGNAGE OPERATING SYSTEM)

DSOS™	Lightweight, high performance and secured operating system designed for digital signage enabling by default Spinetix ARYA™ CMS
OS security	Cryptographically signed firmware packages, local access to OS restricted, Intel™ Boot Guard protection, Secure Boot
Optional features	Different optional modes of use to be activated on top of the built-in Spinetix ARYA™ CMS

PLAYER ENGINE

Layer composition	Multi-layer, multi-video decoding capability, video with alpha channel
Fonts	Built-in fonts (including Noto fonts) for any language. In addition, any custom font can be uploaded. Support for TrueType/OpenType fonts
Content languages	HTML5, SVG Tiny 1.2+
Scripting language	JavaScript (ECMAScript 5), jSignage™, WebStorage, XMLHttpRequest
External data access	AJAX, REST, HTTP/HTTPS with custom certificates or SRP, raw TCP/UDP
Multi-player synchronization	±1 frame-accurate synchronization across multiple players

FORMATS

Media file formats	JPEG, PNG, GIF, SVG, PDF/A, MPG, MP4, M4V, M4A, MOV, MKV, MKA, WMV, WMA, AVI, VOB, TS, MP3, AAC, WAV
Video codecs	Multi-video decoding capable, 4K60p 4:4:4, H.264/MPEG-4 AVC: HP@L5.2, H.265/MPEG-H HEVC: L5.1, MPEG-2: MP@HL, MPEG-4: ASP, WM9/VC-1: AP@L3, MJPEG
Audio codecs	AAC-LC, HE-AAC, MPEG Layer I, II, III (MP3), WMAv2, AC3
Data feeds	Built-in RSS app, Elementi feeds RSS, ICS, CSV, TXT, custom feeds (XML, JSON, JavaScript)

DISPLAYS

Video	DCI 4K (4,096x2,160), 4K UHD (3840x2160), 1080p (1920x1080), custom resolutions, etc.
Audio	Up to 8 channel digital audio over HDMI / DisplayPort / USB-C, stereo analog audio (line level, accessory required)
Control	HDMI-CEC, DisplayPort, serial port (advanced protocols, accessory required)

NETWORK

Protocols	DHCP, static IP, Zeroconf, IPv4, IPv6, NTP, Bonjour, SSDP, SNMPv1/v2c, HTTP/HTTPS, TLS-SRP, user root certificates, WebDAV, FTP, RTSP, RTP/UDP, 802.1x
Remote configuration	Built-in HTTP server, HTTPS with user root certificates, RPC

STORAGE

Internal	16 GB solid state, eMMC 5.1 Industrial MLC NAND with OS in higher endurance SLC area
External	Hard disk (via USB 3.0)

CHARACTERISTICS

Processor	Intel™ Atom x5-E3930
Memory	RAM: 4 GB, LPDDR4-2400
Power consumption	Typical 9W; MAX: 14W
Operating temperature	Ambient range 32 - 104°F / 0 - 40°C, Relative humidity 10-90% non-condensing
Real-time clock (RTC)	Accuracy ±1 min./month, backup by supercap (30 days)
Usage	All components rated for 24/7 - 10 years operation, fanless sealed design. Engineered in Switzerland and made in Germany
IP code	IP40
Wi-Fi	HMP400 does not include any physical radio components. Wireless connectivity is only available on HMP400W, which integrates a dedicated Wi-Fi module.

WARRANTY

Warranty	3 years included limited hardware warranty, extendable to 5 years
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