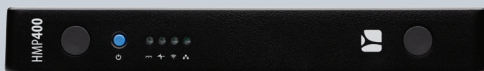




# HMP400 & HMP400W

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   |

## FORMATS

|                    |   |
|--------------------|---|
| Images             | JPEG, PNG, GIF, SVG, PDF/A  |
| Media file formats | 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 (4,096×2,160), 4K UHD (3840×2160), 1080p (1920×1080), 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   |

## WARRANTY

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