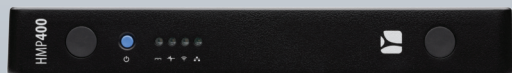


# HMP400

Your reliable partner for any signage scenario



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™ cloud based service
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™ cloud based service

### 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 (4,096x2,160), 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

### WARRANTY

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