

Player Comparison Table - PROVISIONAL



iBX410

HMP400

CONNECTORS & PORTS:

Video	HDMI 2.0b	HDMI 2.0 (lockable) or DisplayPort 1.2 (USB-C lockable alternate mode)
USB port	3x USB 3.1	3x USB 3.0 (USB-C lockable)
Serial port	RS-232 via special RJ45 accessory cable (not included)	RS-232 via any of the USB-C ports (cable not included)
Network	Ethernet 2.5GbE, IEEE 802.3bz, IEEE 802.3ab, IEEE 802.3u, IEEE 802.3az	Ethernet 1GbE, IEEE 802.3ab, IEEE 802.3u, IEEE 802.3az.
Power supply	12V DC, 60W, power connector is lockable, power supply included	Power over Ethernet (PoE+/802.3at) or USB-C lockable Power Delivery 2.0, 27W (min 3A@9V)

SIZE & WEIGHT:

Size	Width: 7.13" / 181mm, height: 0.85" / 21.5mm, depth: 4.84" / 123mm	Width: 7.87" / 200mm, height: 1.1" / 28mm, depth: 4.72" / 120mm
Weight	840g	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, Secure Boot	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+



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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, stereo analog output, stereo analog input (function not available in current DSOS versions)	Up to 8 channel digital audio over HDMI / DisplayPort / USB-C, stereo analog audio (line level, accessory required)
Control	Serial port (advanced protocols, accessory required)	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	Industrial 128 GB SSD	16 GB solid state, eMMC 5.1 Industrial MLC NAND with OS in higher endurance SLC area
External	Hard disk (via USB 3.1)	Hard disk (via USB 3.0)
CHARACTERISTICS:		
Processor	Intel™ Atom x6211E	Intel™ Atom x5-E3930
Memory	RAM: 2x 4GB DDR4-3200	RAM: 4 GB, LPDDR4-2400



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Operating temperature	Ambient range 32 - 104°F / 0 - 40°C, Relative humidity 10-90% non-condensing	
Real-time clock (RTC)	Accuracy ±1 min./month, battery backed (BR2032)	Accuracy ±1 min./month, backup by supercap (30 days)
Usage	Industrial-grade robust, fanless and compact design for 24/7 operation	All components rated for 24/7 - 10 years operation, fanless sealed design. Engineered in Switzerland and made in Germany.
IP code	IP40	
Misc.	Mounting brackets included	
WARRANTY:		
Warranty	Warranty 3 years included limited hardware warranty	3 years included limited hardware warranty, extendable to 5 years