



iBX410 & iBX410W

Your reliable partner for any signage scenario



iBX410 front view



iBX410 top view



iBX410W with wifi



CONNECTORS & PORTS

Video	HDMI 2.0b
USB port	3x USB 3.1
Serial port	RS-232 via special RJ45 accessory cable (not included)
Network	Ethernet 2.5GbE, IEEE 802.3bz, IEEE 802.3ab, IEEE 802.3u, IEEE 802.3az. iBX410W (with Wi-Fi module): Wi-Fi IEEE 802.11a/b/g/n/ac Wave 2, 2x2 MIMO
Power supply	12V DC, 60W, power connector is lockable, power supply included

SIZE & WEIGHT

Size	Width: 7.13" / 181mm, height: 0.85" / 21.5mm, depth: 4.84" / 123mm
Weight	840 g

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, 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	Sub-millisecond-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 (4096x2160), 4K UHD (3840x2160), 1080p (1920x1080), custom resolutions, etc., HDR capable
Audio	Up to 8 channel digital audio over HDMI, stereo analog output
Control	DVI-D style Display Power Management signaling, 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
External	Hard disk (via USB 3.1)

CHARACTERISTICS

Processor	Intel™ Atom x6211E
Memory	RAM: 8 GB DDR4-3200
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
Usage	Commercial-grade robust, fanless, ultra flat and compact design for 24/7 operation. Made in Taiwan
IP code	IP40
Misc.	Mounting brackets included
Wi-Fi	iBX410 does not include any physical radio components. Wireless connectivity is only available on iBX410W, which integrates a dedicated Wi-Fi module.

WARRANTY

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