SPINETIX™
N°1 IN DIGITAL SIGNAGE SOLUTIONS

KIOSK

SYSTEMS

WIDGETS

SpinetiX ARYA

iBX410 & iBX410W
Your reliable partner for any signage scenario

IBX410 front view

IBX410W with wifi

IBX410 top view

intel partner Gold IoT Solutions

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 (4096×2160), 4K UHD (3840x2160), 1080p (1920x1080), custom resolutions, etc., HDR capable.
Audio	Up to 8 channel digital audio over HDMI, stereo analog output, stereo analog input (function not available in current DSOS versions)
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

WARRANTY

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