KIOSK

SYSTEMS

WIDGETS

SpinetiX ARYA

iBX410
Your reliable partner for any signage scenario

IBX410 Front view

IBX410 top view

intel partner Gold IoT Solutions

spinetix.com

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
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™ cloud based service
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™ 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 (4096×2160), 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)
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 (BR2032)
Usage	Commercial-grade robust, fanless, ultra flat and compact design for 24/7 operation
IP code	IP40
Misc.	Mounting brackets included

WARRANTY

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