



INFORME DE NECESSITAT DEL CONTRACTE MENOR AMB CONCURRÈNCIA

Dades del contracte

Orgànic: 1823	Programa: 33314	Econòmic: 62900
Nº Petició: 006_P2501202	Nº Expt. C250001836	
Procediment: menor	Concurrència: Si	
Qualificació: subministrament		
CPV: 32321200-1		
Ús de sistemes d'informació: no		
Pòlissa de responsabilitat Civil: no		
CAE: no		
Prestació a la via pública: no		
Tècnic responsable del contracte: Eva Joan		
Objecte: Subministrament d'equipament audiovisual per a les activitats de l'edifici del Disseny Hub Barcelona		
Pressupost de licitació (IVA inclòs) 12.826,00€ IVA tipus 21% 2.226,00 Pressupost net (sense l'IVA) 10.600,00 € <i>Aquest pressupost net no pot ser superat per l'oferta del licitador</i>		

Antecedents

Des de la seva posada en funcionament, l'edifici disposa d'un equipament d'audiovisuals, per les diferents activitats, distribuït al llarg dels diferents espais del Disseny Hub Barcelona.

La dotació de material audiovisual de la que es disposa no dona resposta a les necessitats reals en tant en quant amb el pas del temps divers material audiovisual ha deixat de funcionar sense possibilitat de reparació la qual cosa s'ha traduït en la disminució del material necessari que garanteixi el correcte funcionament de les activitats de l'edifici. En aquest sentit, en diverses ocasions s'ha hagut de recórrer al subministrament en règim de lloguer si bé aquesta opció no es considera la més eficient.

Atès que, aquesta prestació no pot ser proporcionada directament per l'ICUB, perquè no disposa dels mitjans personals i/o materials necessaris per a la realització de les esmentades actuacions, es proposa la contractació externa per realitzar-lo mitjançant un contracte menor, tal com es preveu en la Llei 9/2017 de contractes del sector públic.

D'acord amb l'article 118.2 de la Llei 19/2017, de 8 de novembre, de Contractes del Sector Públic (LCSP), s'ha comprovat que queda justificada la necessitat del contracte i no s'està alterant el seu objecte per evitar l'aplicació dels llistats indicats en l'article 118.1.



Descripció de l'objecte. Prescripcions tècniques

Subministrament d'equipament audiovisual de l'edifici del Disseny Hub Barcelona:

- 8 BrighSigns LS425 o equivalent (veure annex I)
- 1 Televisor de 32" o equivalent (veure annex I)
- 2 Televisors de 43" o equivalent (veure annex I)
- 8 Tablets de 128Gb o equivalent (veure annex I)
- 8 Suports de paret per les tablets o equivalent (veure annex I)

Quan el material ofert pel licitador sigui un equivalent al referenciat, l'adjudicatari haurà de presentar juntament amb l'oferta un document comparatiu de les prestacions i funcionalitats tècniques de ambdós equips. De no ser compatibles i/o equivalents l'oferta serà desestimada.

Lloc de realització de la prestació

Disseny Hub Barcelona

Inici de les prestacions i termini d'execució

Es preveu una durada del contracte de 2 mesos, a comptar des de la data de notificació de l'adjudicació i com a molt fins el 31.12.2025.

Criteri d'adjudicació

El criteri d'adjudicació serà el preu.

Tramesa d'ofertes

El licitador haurà d'enviar les seves ofertes **mitjançant el portal de Contractació (<https://licitacions.bcn.cat/>)**. No s'admetrà cap altre forma d'enviament o lliurament de l'oferta.

Termini de presentació de les ofertes

Per a la contractació menor amb lliure concurrència el termini de presentació de les ofertes serà com a mínim de 5 dies hàbils des de la data d'enviament de petició d'oferta.

Notificació de l'adjudicació

L'adjudicació del contracte es notificarà a l'interessat i es publicarà de forma agregada en el Perfil de Contractant d'acord amb allò previst a l'article 63.4 de la LCSP.



**Ajuntament
de Barcelona**

Institut de Cultura de Barcelona

ANNEX I

BRIGHTSIGN LS5

LOW-COST, POWERFUL PERFORMER

BrightSign LS5 is unrivaled at its price point, offering pristine HD, 4K, and HTML5 performance, along with a range of purpose-built signage features. Both the HD and 4K models effortlessly display looping video, HTML, graphics and support digital audio and USB-C interactive peripherals. With a locking power cord, ethernet, and optional dual antenna Wi-Fi module, signage is always connected to a free Control Cloud subscription and a preferred CMS. The LS5 is small and thin so it fits just about anywhere and runs BrightSignOS™ to maximize security, reliability, and longevity. The LS5 is a valuable, cost-effective option for a broad range of simple signage experiences.



FEATURES

- Plays flawless HD and 4K video, HTML5, graphics & digital audio
- Displays simple HTML5 widgets and animations
- Packed with unique signage features to enable captivating experiences
- Flexible for connected or offline environments
- Supports single touchscreen experiences
- Ultra-thin, efficient design easily fits into tight spaces & streamlines serviceability
- Runs BrightSign OS to boost reliability, security & uptimes

LS425

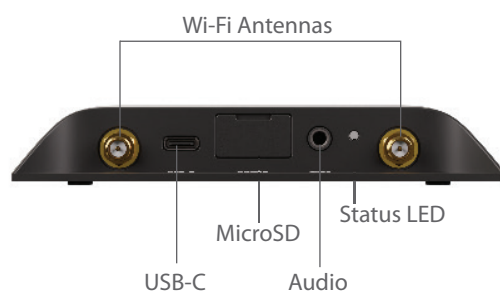


HD Basic I/O Package

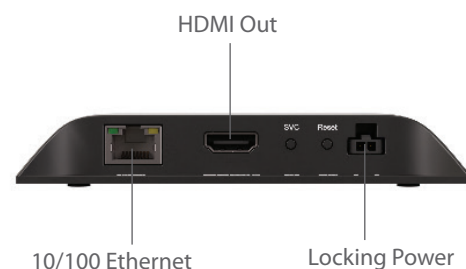
LS445



4K Basic I/O Package



Front View



Back View

SPECIFICATIONS

MODEL	LS425 HD Basic I/O Package	LS445 4K Basic I/O Package	MODEL	LS425 HD Basic I/O Package	LS445 4K Basic I/O Package
VIDEO & HTML5 ENGINES			ACCESSORIES		
1080p60 video	X	X	Real Time Clock 14-day life	X	X
4K60p video		X (8-bit)	Locking Power Connector	X	X
HD image and motion graphic support	X	X	SOFTWARE		
HTML5 performance level	Popular HTML widgets & graphic simple motion graphics		WD-105 Dual Antenna Wireless/Bluetooth Module	X	X
MEDIA FORMATS			MicroSD Class 10 Cards (various capacities)	X	X
Video codecs for 4K content: H.265/H.264		X	CBL-USBC to USB A and 3.5mm Serial	X	X
Video Containers for 4K H.265 content: .ts, .mov, .mp4, .mkv		X	GP800-C: USB C to GPIO 12-pin Cable Kit	X	X
Video Codecs for Full HD: H.265, H.264(MPEG-4, Part 10), MPEG-2	X	X	MISCELLANEOUS		
Video Containers for Full HD content: .ts, .mpg, .vob, .mov, .mp4, .m2ts	X	X	Perfected Industrial Design - Simplified Wi-Fi installation	X	
Images: BMP, JPEG, PNG	X	X	Dimensions (W x D x H)	126.6 x 141.84 x 19.41 mm; 4.98 x 5.58 x 0.76 in	
Audio: MP2, MP3, AAC and WAV (AC3 is passed through)	X	X	Weight	0.18 kg	
HTML5: .html, Chromium-based, CSS, JavaScript, WebGL	X	X	Power	12V / 1.5A	
HARDWARE INTERFACES			Multi-Country Power & Regulatory Approvals	X	X
HDMI™ Output 2.0a	1	1	Built-in Wall Mounting Brackets	X	X
USB Type C port: supports GPIO, Serial, IR with adapters and high-speed host mode	1	1	1 year warranty, parts and labor*	X	X
3.5mm Audio Out (analog & SPDIF digital)	X	X	*2 year warranty, parts and labor, for units shipped from an EU or UK distribution center and to an EU or UK address.		
10/100 Base Ethernet	X	X			
Primary Storage: External micro SD slot protected by a tool-less cover	X	X			
Optional Wi-Fi/Bluetooth: E Key M.2 interface only for WD-105 module	X	X			
1 Status LED	X	X			
Reset and Service Buttons	X	X			

SPECIFICATIONS



MODEL	LS425	LS445	HD225	HD1025	XD235	XD1035	XT245	XT1145	XT2145	XC2055	XC4055
	AFFORDABLE PERFORMER		BUILT FOR INTERACTIVITY		OPTIMIZED FOR MOTION GRAPHICS		THE PERFECT COMBO OF POWER AND PERFORMANCE			THE MOST POWERFUL PLAYER IN SIGNAGE	
	HD BASIC I/O	4K BASIC I/O	STANDARD I/O	EXPANDED I/O	STANDARD I/O	EXPANDED I/O	STANDARD I/O	EXPANDED I/O	MULTIPLEX I/O	MULTIPLEX I/O	MULTIPLEX I/O
AI ENABLEMENT											
Neural Processing Unit (NPU)	X	X					X	X	X		
VIDEO & HTML5 ENGINE											
HTML5 Performance Level	Popular HTML widgets & graphic simple motion graphics		Modular 2D motion graphics	Interactive 2D motion graphics	Smooth full screen 2D WebGL motion	Responsive multi-touch 2D WebGL	3D WebGL & real time data visualization	Intense graphics, video and live TV	Dual HTML presentations driving 2 screens	Up to 8K 3D WebGL across 2 screens	2x the power of XC2055 across 4 screens
8K video decoding							X 10-bit at 60p	X 10-bit at 60p	X 10-bit at 60p	X 8-bit at 60p 10-bit at 30p	X 10-bit at 60p
4K video decoding		X 8-bit at 60p 10-bit at 30p	X 8-bit at 60p 10-bit at 30p		X 8-bit at 60p 10-bit at 30p		X 10-bit at 60p	X 10-bit at 60p	X 10-bit at 60p	X 10-bit at 60p	X 10-bit at 60p
Dual 4K video decoding							X	X	X	X	X
Quad 4K video decode											X
4K video rotation							X	X	X	X	X
HDR10, HLG & Rec.2020/BT.2020 support							X	X	X	X	X
Full HD at 60p video decoding	X	X	X	X	X	X	X	X	X	X	X
Dual HD at 60p video decode			X	X	X	X	X	X	X	X	X
HD video rotation			X (Single)	X (Single)	X (Single)	X (Single)	X	X	X	X	X
8K resolution images & graphics										X	X
4K resolution images & graphics							X	X	X	X	X
HD images & graphics	X	X	X	X	X	X	X	X	X	X	X
Supports 4K IP streaming	X	X	X	X	X	X	X	X	X	X	X
MEDIA FORMATS											
8K video codecs: H.265							X	X	X	X	X
8K Video Containers: .ts, .mov, .mp4, .mkv							X	X	X	X	X
4K Video codes: H.265, H.264		X H.265 at 60p & H.264 at 30p	X H.265 at 60p & H.264 at 30p	X H.265 at 60p & H.264 at 30p	X H.265 at 60p & H.264 at 30p	X H.265 at 60p & H.264 at 30p	X	X	X	X	X
4K Video Containers: .ts, .mov, .mp4, .mkv		X	X	X	X	X	X	X	X	X	X
Full HD Video Codecs: H.265, H.264 (MPEG-4, Part 10), MPEG-2	X	X	X	X	X	X	X	X	X	X	X
Full HD Video Containers: .ts, .mpg, .vob, .mov, .mp4, .m2ts	X	X	X	X	X	X	X	X	X	X	X
8K Video Resolutions: 7680x4320x23.97/24/25/29.97/30/50/59.94/60p							X	X	X	X	X
4K Video Resolutions: 4096x2160x23.97/24/25/29.97/30/50/59.94/60p 3840x2160x23.97/24/25/29.97/30/50/59.94/60p		X	X	X	X	X	X	X	X	X	X

MODEL	LS425	LS445	HD225	HD1025	XD235	XD1035	XT245	XT1145	XT2145	XC2055	XC4055
MEDIA FORMATS CONT.											
Full HD Resolutions: 1920x1080x23.97/24/25/29.97/30/50/59.94/60p	X	X	X	X	X	X	X	X	X	X	X
Supports additional & customizable resolutions: includes unique, non-standard aspect ratios at various frame rates	X	X	X	X	X	X	X	X	X	X	X
Images: BMP, JPEG, PNG	HD	HD	HD	HD	HD	HD	HD/4K	HD/4K	HD/4K	HD/4K/8K	HD/4K/8K
Audio: MP2, MP3, AAC and WAV (AC3 is passed through)	X	X	X	X	X	X	X	X	X	X	X
HTML Support: HTML5, CSS, JavaScript, SVG, WebGL and Chromium compatible	X	X	X	X	X	X	X	X	X	X OpenGL	X OpenGL
HARDWARE INTERFACES											
Intel Processor										X Intel Gen 11 Celeron with 8GB RAM	X Intel Gen 11 i5 with 8GB RAM
HDMI Outputs	1	1	1	1	1	1	1	1	2	2	4
HDMI 1 Output:	X HDMI 2.0a	X HDMI 2.0a	X HDMI 2.0a	X HDMI 2.0a	X HDMI 2.0a	X HDMI 2.0a	X HDMI 2.0a	X HDMI 2.1a	X HDMI 2.1a	X HDMI 2.1a	X HDMI 2.1a
HDMI 2 Output:									X HDMI 2.0a	X HDMI 2.0a	X HDMI 2.0a
HDMI 3 Output:											X HDMI 2.0a
HDMI 4 Output:											X HDMI 2.0a
HDMI Input: (HDCP support coming soon in a future BrightSignOS update)								X HDMI 2.0a	X HDMI 2.0a		
Ethernet:	X 10/100	X 10/100	X Gigabit	X Gigabit	X Gigabit with POE+	X Gigabit with POE+	X Gigabit with POE+	X Gigabit with POE+	X Gigabit with POE+	X Gigabit	X Gigabit
USB-A: provides 5V/1A power to peripheral devices				X		X		X	X	X	X
USB-C: supports high-speed host mode & provides 5V/1A power to peripheral devices	X	X				X		X	X	X	X
GPIO: 12-pin Phoenix Connector with 8 bi-directional Ports			X	X	X	X	X	X	X	X	X
IR: 3.5mm In / Out			X	X	X	X	X	X	X	X	X
Serial: 3.5mm RS-232				X		X		X	X	X	X
Audio: 3.5mm Output (Analog or SPDIF)	X	X	X	X	X	X	X	X	X	X	X
Primary storage: External microSD card slot	X	X	X	X	X	X	X	X	X	X	X
Optional storage: M.2 PCIe Interface for NVME SSD Storage					X	X	X	X	X	X	X
Optional M.2 E Key for WiFi/Bluetooth module	X	X	X	X	X	X	X	X	X	X	X
Status LEDs	1	1	4	4	4	4	4	4	4	4	4
Reset & Service Buttons	X	X	X	X	X	X	X	X	X	X	X
Locking Power Connector	X	X	X	X	X	X	X	X	X	X	X
Real Time Clock with 14-day life	X	X	X	X	X	X	X	X	X	X	X

MODEL	LS425	LS445	HD225	HD1025	XD235	XD1035	XT245	XT1145	XT2145	XC2055	XC4055
ACCESSORIES											
BP200 & BP900 USB Button Pads	X	X		X		X		X	X	X	X
Micro SD Class 10 cards (various capacities)	X	X	X	X	X	X	X	X	X	X	X
256GB PCIE NVME M.2 SSD					X	X	X	X	X	X	X
M.2 E Key for WiFi/Bluetooth module	X	X	X	X	X	X	X	X	X	X	X
BrightSign Mobile USB modem	X	X		X		X		X	X	X	X
CBL-USBC to USBA and 3.5mm Serial	X	X				X		X	X	X	X
GP800-C: USB C to GPIO 12-pin Cable Kit	X	X				X		X	X	X	X
CBL-IR RCVR USBC LS Series: USB-C to IR receiver cable	X	X									
SOFTWARE & SERVICES											
BrightSignOS™	X	X	X	X	X	X	X	X	X	X	X
Windows 11 IoT or Windows 10 IoT										X Windows 10 LTSC 2019 Windows 10 LTSC 2021	X Windows 10 LTSC 2019 Windows 10 LTSC 2021
Free brightAuthor connected or brightAuthor software	X	X	X	X	X	X	X	X	X	X	X
Free bsn.Control Subscription	X	X	X	X	X	X	X	X	X	X	X
Optional bsn.Content Paid Subscription	X	X	X	X	X	X	X	X	X	X	X
Optional BrightSign Mobile Service	X	X		X		X		X	X	X	X
MISCELLANEOUS											
Anodized aluminum enclosure for extended operating temperatures			X	X	X	X	X	X	X		
Dimensions	126.6 x 141.84 x 19.41 mm (WxDxH)		205 x 185.9 x 19.2 mm (WxDxH)		205 x 185.9 x 19.2 mm (WxDxH)		238.62 x 185.90 x 19.19 (WxDxH)			253.2 x 232.12 x 48mm (WxDxH)	
Shipping Weight	TBD	TBD	1.3 kg	1.3 kg	1.3 kg	1.3 kg	TBD	TBD	TBD	3 kg	3 kg
Player Weight	0.18 kg	0.18 kg	0.59 kg	0.59 kg	0.59 kg	0.59 kg	0.68 kg	0.68 kg	0.68 kg	1.41 kg	1.41 kg
Power Supply	12V / 3A	12V / 3A	12V / 3A	12V / 3A	12V / 3A	12V / 3A	12V / 3A	12V / 3A	12V / 3A	19V / 4.7A	19V / 4.7A
Multi-Country Power & Regulatory Approvals	X	X	X	X	X	X	X	X	X	X	X
Built-in Wall Mounting Brackets	X	X	X	X	X	X	X	X	X	X	X
MSRP	\$300	\$400	\$500	\$600	\$600	\$700	\$800	\$900	\$1100	\$1100 with BrightSignOS \$1300 with Windows & 256GB internal SSD	\$1600 with BrightSignOS \$1800 with Windows & 256GB internal SSD

32"

- **PANTALLA**

- Categoría: Full HD, SmartTV WebOS 22, Procesador Inteligente α5 Gen5 AI Processor, -
- Pulgadas: 32
- cm: 80
- Resolución: FHD
- Resolución Píxeles: 1920*1080
- Panel: FHD
- Refresco de Pantalla: 50Hz

- **SMARTTV**

- SmartTV: SmartTV
- Sistema de AI: SmartTV WebOS 22
- Asistente de Google Integrado: Asistente de Google Integrado
- Asistente ALEXA Integrado: Asistente ALEXA Integrado
- Funciona con Apple Home Kit: Funciona con Apple Home Kit
- Control por Voz: Control por Voz OPCIONAL (Requiere Magic Remote)
- Magic Remote: Magic Remote OPCIONAL
- Apple Screen Share (Airplay2): Airplay 2
- Navegador Web: Navegador Web
- Miracast: Screen Share
- WiFi: WiFi (802.11ac)
- Bluetooth: Bluetooth (V5.0)

- **IMAGEN**

- Procesador: Procesador Inteligente α5 Gen5 AI Processor 4K
- Dynamic Tone Mapping: Dynamic Tone Mapping
- Número de Puntos/Bloques atenuación: Direct LED
- Formatos HDR: HDR 10 Pro, HLG
- Escalador: Resolution Upscaler

- **SONIDO**

- Potencia/Woofers: 10W (5W Por Canal)

- Canales: 2.0 ch
- Sonido Especial: Sonido Dolby Digital
- Sonido IA: AI Sound (Sonido Virtual 5.1 Up-mix)
- **GAMING**
- Cloud Gaming Stadia / GeForce: Cloud Gaming Stadia / GeForce
- HDR GiG: HDR GiG
- **CONECTIVIDAD**
- Antena: Sint. Terrestre/Satélite/Cable DVB-T2/S2/CH
- DMI: 2XHDMI 1.4
- USB: 1xUSB 2.0
- Salida Óptica: Salida Óptica
- USB Grabador: Grabación Antena por USB (Requiere HDD 80GB-2TB)
- **DISEÑO**
- Color Frontal: Negro
- Color Trasera: Negro
- Piana: 2 patas
- **DIMENSIONES**
- Dimensiones Sin Piana / VESA: 736x437x82.9mm. 4.65Kg. VESA: 200x200
- Dimensiones con Piana: 736x464x180mm. 4.7Kg.

TV LG UHD 4K de 43" Serie 78, Procesador Alta Potencia, HDR10 / Dolby Digital Plus, Smart TV webOS23.

43UR78006LK

Características principales

- Colores intensos con la tecnología LED en 4K.
- Procesador de Alta Potencia que maximiza la calidad de imagen y sonido a través de IA ⁽¹⁾ (Procesador 4K a5 Gen6).
- Trae el cine a tu salón y disfruta de tus películas y series favoritas con gran calidad de imagen HDR10 Pro y sonido Dolby Digital Plus.
- Funciones gaming e ideal para cualquier contenido: Cloud Gaming; modo Filmmaker; alertas deportivas.
- Ecosistema abierto e inteligente: Smart TV webOS23, compatible con Apple Home Kit/Airplay/Google/Alexa/ThinQ y control por voz OPCIONAL (Requiere Mando Magic Remote).
- Tecnología que cuida de ti y del planeta: consumo inferior al límite del Índice de Eficiencia Energética Europeo⁽²⁾ y ahorra en la factura de la luz⁽³⁾.



Todas las especificaciones

PANTALLA

Calidad Imagen

UHD 4K 60Hz/50Hz, HDR10 / HLG, FILMMAKER MODE™, -, -, -, Direct LED

Tamaño en pulgadas

43

Formato de pantalla

16:9

Resolución Píxeles

4K Ultra HD (3,840 x 2,160)

Tecnología / Tipo de pantalla y Tipo de panel

LED LCD

Diseño de Pantalla (Plano/Cruvo)

Plano

Categoría / Prestaciones imagen / Calidad de pantalla

UHD 4K, Smart TV webOS23, Procesador Inteligente a5 4K Gen6, -

Tamaño en cm

108

Resolución

UHD 4K

Panel

UHD 4K

Tasa de refresco de Pantalla

60Hz/50Hz

SMARTTV

SmartTV

Si

Plataforma / Sistema operativo instalado

Smart TV webOS23

Asistentes:

Asistente Alexa OPCIONAL

ThinQ

ThinQ

Sistema SmartTV

SmartTV

Funciona con:

Funciona Con Google Assistant

Compatibilidad Apple

Funciona con Apple HomeKit

Control por Voz

Control Por Voz OPCIONAL

Magic Remote: (Si/Opcional)

Magic Remote OPCIONAL

Navegador Web

Navegador Libre

Alertas Deportivas

Alertas Deportivas

Screen Share (Si/No) / Allshare

Screen Share

Bluetooth

Bluetooth (v 5.0)

Apple Screen Share (Airplay2)

Funciona Con Apple Airplay2

LG Channels

LG Channels, canales TV por IP

Compatible Cámara por USB

Compatible Cámara por USB

WiFi

Wi-Fi Certified (Wi-Fi 5)

IMAGEN

Procesador

Procesador Inteligente a5 4K Gen6

Áreas de la imagen Analizadas

Mejora el Contraste en 576 Areas de cada Imagen

Formatos HDR

HDR10 / HLG

Escalador

4K Upscaling

Dynamic Tone Mapping

Dynamic Tone Mapping

Número de Puntos/Bloques atenuación

Direct LED

Modo FILMAKER

FILMMAKER MODE™

SONIDO

Potencia Total

Potencia Total: 20W

Canales

2.0 ch

Sonido IA

AI Sound (Virtual 5.1 Up-mix)

Audio Codecs

Audio Codecs: AC4, AC3(Dolby Digital), EAC3, HE-AAC, AAC, MP2, MP3, PCM, WMA, apt-X (Ver Manual)

woofer

Woofer: No

Sonido Especial

Sonido Dolby Digital Plus/-

Salida de Audio Simultánea (TV+Altavoces)

Salida de Audio Simultánea (TV+Altavoces)

GAMING

Cloud Gaming (Si/No)

Compatible Cloud Gaming

Input Lag

Input Lag < 0.01s

ALLM (Si/No)

ALLM (Modo automático de Baja Latencia)

HDR GiG (Si/No)

HDR HGiG

CONECTIVIDAD/CONEXIONES

Antena

Sintonizador DVB-T2/T/DVB-S2/S/DVB-C

Ethernet LAN

Ethernet LAN Integrada

Widi

hbbtv

HbbTV / LovesTV

Miracast / Mirroring

Mirroring

HDMI (Número de conexiones y tipos de conexiones)

WiDi

USB

2 X USB (v 2.0)

USB Grabador (Si/No)

Grabación Antena por USB (Requiere HDD 80GB-2TB)

about:blank

3 X HDMI 2.0 eARC (HDMI 2)

Salida Óptica (Si/No)

Salida Óptica

DISEÑO

Color Frontal

Grafito

Marco

Marco Slim

Dimensiones Sin Peana / VESA

967x564 x57.7mm. 8.8Kg. VESA: 200x200

Medidas Peana / Distancia entre patas

804x200mm. 0.1Kg

Color Trasera

Grafito

Peana

2 patas

Dimensiones con peana

967x621x200mm. 8.9Kg. Base peana: 804x200mm

Dimensiones Embalaje

1055x660x142mm. 10.7Kg

EFICIENCIA

Consumo SDR W

54

Consumo HDR W

83

Eficiencia SDR LETRA

G

Eficiencia HDR LETRA

G

CONTENIDO

Contenido dentro de la caja

TV, Manual, Mando a distancia, Pilas, Garantía

MPN

Manufacturer Part Number

43UR78006LK.AEU

INFORMACIÓN DE CUMPLIMIENTO



[Dismantling information\(43UR78006LK\)](#)



[EU Energy label 2019\(43UR78006LK\)](#)



[Product Environmental Report\(43UR78006LK\)](#)



[Product information sheet \(43UR78006LK\)](#)





[GPSR Safety Information\(43UR78006LK\)](#)



MÁS INFORMACIÓN DE CUMPLIMIENTO >

- The safety information for accessories is included with the safety information for the product and is not provided separately.
- La información de seguridad de los accesorios se incluye con la información de seguridad del del producto y no se proporciona por separado.

Samsung Galaxy Tab A9+ 128 GB 27.9 cm (11") 8 GB Wi-Fi 5 (802.11ac) Graphite

Brand : Samsung

Product family: Galaxy Tab

Product code: SM-X210NZAEEUE

Product name : A9+



Samsung Galaxy Tab A9+. Display diagonal: 27.9 cm (11"), Display resolution: 1920 x 1200 pixels. Internal storage capacity: 128 GB. Processor frequency: 1.8 GHz. Internal memory: 8 GB. Rear camera resolution (numeric): 8 MP, Rear camera type: Single camera, Front camera resolution (numeric): 5 MP, Front camera. Top Wi-Fi standard: Wi-Fi 5 (802.11ac). Card reader integrated. Weight: 480 g. Product colour: Graphite

Display		Network	
Display diagonal *	27.9 cm (11")	Wi-Fi Direct	✓
Display resolution *	1920 x 1200 pixels	3G bands supported	850,900,1900,2100 MHz
Panel type	TFT	4G bands supported	2100, 1900, 1800, 850, 2600, 900, 700, 800, 2300, 2500 MHz
Display number of colours	16 million colours	5G bands supported	2100, 1800, 850, 2600, 900, 800, 700, 2300, 2500, 3700, 3500 MHz
Processor		Ports & interfaces	
Processor frequency *	1.8 GHz	USB 2.0 ports quantity	1
Processor boost frequency	2.2 GHz	Headphone connectivity	3.5 mm
Processor cores	8	Lightning connector	✗
Memory		Combo headphone/mic port	✓
Internal memory *	8 GB	Design	
Storage		Device type *	Mobile tablet
Internal storage capacity *	128 GB	Form factor *	Slate
Card reader integrated *	✓	Product colour *	Graphite
Compatible memory cards	MicroSD (TransFlash)	Performance	
Maximum memory card size	1 TB	Assisted GPS (A-GPS) *	✗
User memory	103.6 GB	GLONASS	✓
Audio		BeiDou	✓
Number of built-in speakers	4	GPS (satellite)	✓
Audio system	Dolby Atmos	Galileo	✓
Speaker power	1.2 W	Quasi-Zenith Satellite System (QZSS)	✓
Camera		Accelerometer	✓
Rear camera type *	Single camera	Ambient light sensor	✓
Rear camera resolution (numeric) *	8 MP	Gyroscope	✓
Auto focus	✓	Position location *	✓
Maximum video resolution	1920 x 1080 pixels	Software	
Video recording modes	1080p	Platform *	Android
Resolution at capture speed	1920x1080@60fps	Battery	
Video capturing speed	60 fps	Battery included	✓
Front camera *	✓	Battery capacity *	7040 mAh
Front camera resolution (numeric)	5 MP	Network	
Mobile network connection *	✗	Bluetooth	✓

Network		Media formats	
Bluetooth version	5.1	Audio formats supported	3GA, AAC, AMR, AWB, FLAC, IMY, M4A, Mid, MIDI, MP3, MXMF, OGA, OGG, OTA, RTTTL, RTX, WAV, XMF
Top Wi-Fi standard *	Wi-Fi 5 (802.11ac)		
Wi-Fi standards	802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac)	Video formats supported	3G2, 3GP, AVI, FLV, M4V, MKV, MP4, WEBM
		Weight & dimensions	
		Width	257.1 mm
		Depth	6.9 mm
		Height	168.7 mm
		Weight	480 g



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Ficha Técnica

Soporte Mural con Carcasa MacLocks Apex para Samsung Galaxy Tab A9+ 11"

1. Descripción General

Soporte mural de alta seguridad y diseño elegante, para proteger y exhibir la tablet Samsung Galaxy Tab A9+ (11"). Ideal para puntos de información, entornos educativos, comercios y espacios públicos donde se requiere acceso controlado y presentación profesional.

2. Compatibilidad

- **Modelos compatibles:** Samsung Galaxy Tab A9+ 11" (2023)
 - Modelos: SM-X210, SM-X215, SM-X216B
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3. Materiales y Seguridad

- **Estructura:** Aluminio de alta calidad con marco metálico robusto.
 - **Cerradura:** Sistema de cierre con llave (quick-keyed lock) para máxima seguridad.
 - **Accesibilidad:** Acceso total a botones, sensores, cámaras (frontal y trasera) y puertos de carga.
-

4. Diseño y Montaje

- **Montaje:** Directo en pared; también compatible con soportes VESA 75x75 mm y 100x100 mm.
 - **Gestión de cables:** Sistema integrado para mantener el dispositivo cargado y los cables ocultos.
 - **Colores disponibles:** Negro o blanco (consultar disponibilidad)
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5. Dimensiones y Peso

- **Peso:** 0,76 kg (1,68 lb)
- **Dimensiones:** Adaptadas a Galaxy Tab A9+ 11" (consultar ficha del modelo para dimensiones exactas)