H085 Signage Player

Product Overview

Introducing H085

H085 Dual Display Signage Player (x86)

The H085 is an entry level dual display signage and media player built for reliable 24/7 use. It is compact, fanless, and runs on Windows 10 or 11 IoT or standard Windows 11 Pro. Powered by an Intel J6412 CPU with Intel UHD Graphics, it delivers smooth dual 4K video playback at 60 Hz.

Core Specifications

- Processor: Intel J6412
- Graphics: Intel UHD Graphics
- Memory: 4 GB or 8 GB
- Storage: M.2 SSD

Windows 10/11 IoT

Rated for 24/7 Use

Fanless

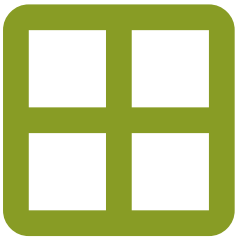
RTC Power Scheduling

Dual 4K 60 Hz

Typical Applications

Ideal for single-screen digital signage, retail displays, wayfinding systems, kiosks, and totems that require silent, efficient, and continuous operation.

Features



Windows 10/11 IoT and Linux

The H085 supports Windows 10 or 11 IoT or Windows 11 Pro, giving you flexibility to match the operating system to your chosen CMS or custom application.

Fanless Design

With passive cooling, the H085 offers quiet operation suited to confined spaces.

RTC Power Scheduling

Real time clock power scheduling lets you power the system on and off at set times and dates. Save power and extend the life of your device.

Dual 4K 60 Hz Outputs

The H085 supports dual 4K 60 Hz output via HDMI 2.0 and

Watchdog

Watchdog keeps an eye on your device. If it encounters an error or crashes, it can automatically reboot the system.

OEM Services

Our OEM service is designed to get your devices out of our factory pre-configured, fully branded and ready to go. You cut down on setup, speed up deployment and get a solution that works straight out of the box, saving you both time and money.

Short Lead Time

We typically hold up to three months of stock of key product lines in the UK to keep lead times short.

Custom Firmware

We can preconfigure firmware to your required settings, including BIOS splash screens and core security options.

System Imaging

We can preload your own system image, or design, build and test an image on your behalf and apply it at the factory.

Low MoQ

We do not have a minimum order quantity. Our hardware and services are available from one unit upwards. Pricing is simple: a one-off setup fee and a per device cost for each service.

Call Off Orders

Plan once, deploy as needed. Place a single bulk order and we build to your agreed spec, then you call off units in batches as projects go live.

Bonded Stock

Avoid supply surprises on critical projects. We hold an agreed quantity of finished units or key components in our warehouse, reserved just for you.

Credit Lines

With an agreed credit line, you can order against upcoming rollouts, align payments with your own customer billing and cut down admin for repeat work.

White Labelling

We design and produce packaging that carries your logo, colours, product information and messaging, along with any labels and identifiers you need.

Warranty

Our warranty options give you up to 7 years' total coverage, including an Extended Service Plan built to keep downtime to a minimum. Options vary by product and range, so ask what's available when you get your quote.

Return to Base Plan

You send it, we fix it. If we can't resolve the issue remotely and a hardware fault is identified, just log a ticket, pack your device, and ship it to us. We'll handle the repair and get it back to you.

What's covered

Remote fault diagnosis

Labour and parts

Return shipping

Standard Service Plan

We collect, repair, and return. No shipping to sort on your end. If we can't resolve the issue remotely and a hardware fault is identified, we'll arrange collection from your site, carry out the repair, and send it back to you.

What's covered

Remote fault diagnosis

Labour and parts

Collection and return shipping

Advanced Exchange Plan

Rapid swap-out cover when uptime matters most. If we can't resolve the issue remotely and a hardware fault is identified, we'll ship a replacement unit or part to you and collect the faulty item at the same time. No waiting around for a repair to come back.

What's covered

Remote fault diagnosis

Advance replacement parts or units

Courier exchange (collection and delivery in one visit)

Extended Service Plan

Our highest level of cover, for when you need the right fix, not just a fast one. If we can't resolve the issue remotely and a hardware fault is identified, we'll arrange for a qualified engineer to attend onsite and carry out the repair. Where it helps get you back up and running sooner, we can also dispatch parts in advance.

What's covered

Everything in our Standard Service Plan

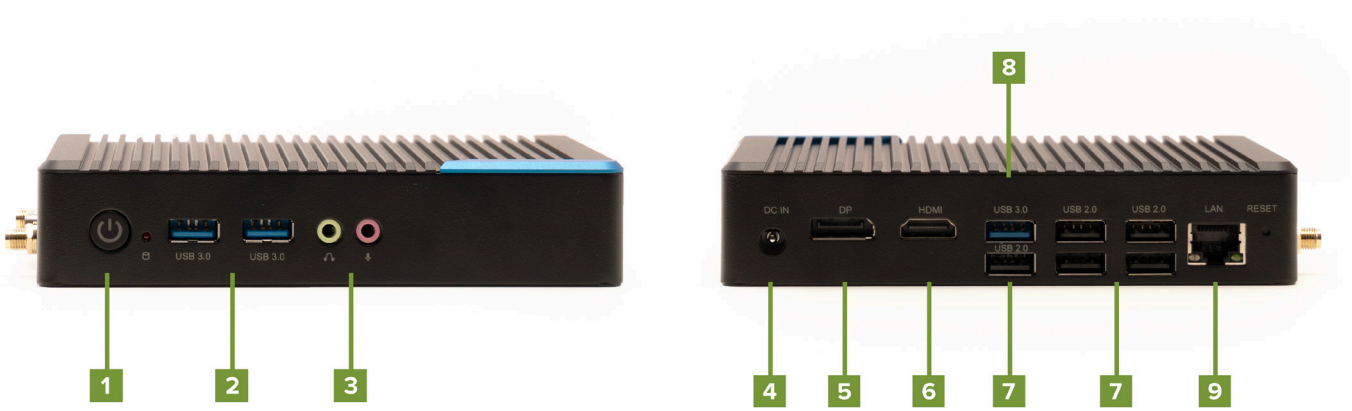
Advance parts dispatch

Courier exchange (collection and delivery in one visit)

Onsite engineer visit

Ports & Supported Resolutions

Ports



1. Power Button
2. 2 x USB 3.2 Gen 1 (Type-A)
3. 2 x 3.5mm Audio
4. 1 x D/C in
5. 1 x DisplayPort
6. 1 x HDMI
7. 5 x USB 2.0 (Type-A)
8. 1 x USB 3.2 Gen 1 (Type-A)
9. 1 x RJ45

Supported Resolutions

Video Format			Output	
Shorthand	Resolution	Refresh rate (Hz)	HDMI	DisplayPort
1080p	1920×1080	30	Yes	Yes
		60	Yes	Yes
4K	3840×2160	30	Yes	Yes
		60	Yes	Yes
5K	5120×2880	30	No	No
		60	No	No

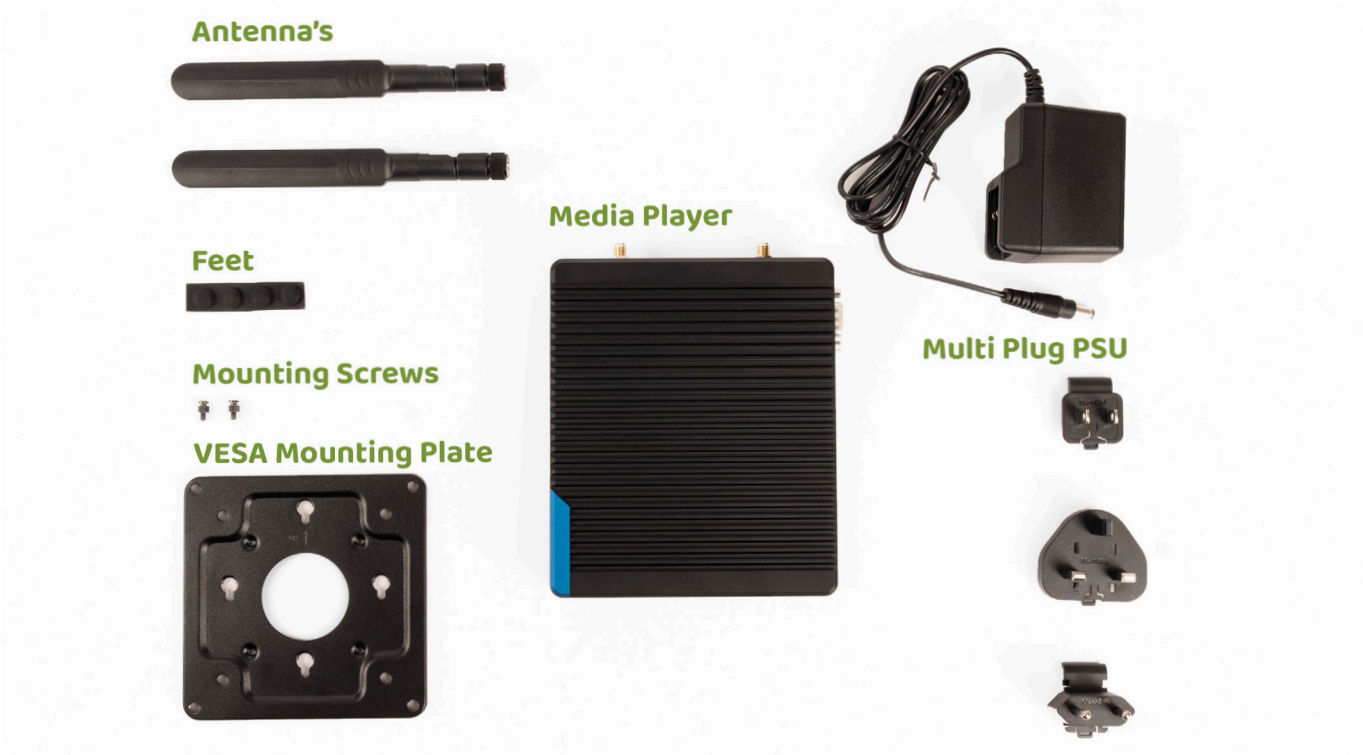
Dimensions & What's in the box

Compact and lightweight, the H085 is easy to integrate into space-limited signage enclosures or discreet installations.

Player Dimensions

Power Brick Dimensions

What's in the box



Technical Specification - Intel Celeron (J Series)

Performance

Processor	Intel Celeron J6412 - 4C/4T
Memory	4GB - 8GB LPDDR4x
Storage	128GB SSD
Graphics	Intel UHD Graphics
Operating System	Windows 11 - Home / Pro / Enterprise IoT No operating system - Optional

System

Power Supply	External 36W brick (12V 3A, 5.5mm x 2.5mm)
TPM	TPM 2.0
Audio	Realtek ALC897 HD Audio
RTC	Power scheduling supported

Physical

In the box	H085 system Power supply VESA mounting bracket
Dimensions	149mm x 128mm x 30mm
Weight	Gross Weight: 1.3Kg Net Weight: 0.84Kg
Packaging	Paper: 136g (76.4%) Plastic: 42g (23.6%)

Conformity

Conformity	CE / CB / FCC / ROHS

Connectivity

Networking	Realtek 1Gb LAN Wi-Fi 6 & Bluetooth 5.2
Front IO	2 x USB 3.2 Gen 1 (Type-A) 2 x 3.5mm Audio (1x Mic & 1x Headphones)
Side IO	1 x DB9 RS232
Rear IO	1 x HDMI 2.0 1 x DisplayPort 1.4 5 x USB 2.0 (Type-A) 1 x USB 3.2 Gen 1 (Type-A) 1 x LAN (RJ45) 1x D/C in

Warranty

Warranty	Up to 5 years

Environment

Operating Temp	-5°C to 45°C
Operating Humidity	10% to 90% non-condensing
Storage Temp	-20°C to 70°C
Storage Humidity	5% to 95% non-condensing

Please note that the system images are examples and may differ based on chosen specifications. Some products shown in system images may be subject to availability. Please contact our team if you have any questions regarding configuration.

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