

K105F Signage Player

Product Overview



Introducing K105F

K105F 8K Ready Signage Player (x86)

The K105F is a powerful signage and media player built for reliable 24/7 use. It is compact, fanless, and supports Windows 11 IoT Enterprise or Windows 11 Pro. Powered by an Intel Core i5 1235U CPU with Intel Iris Xe graphics, it can drive up to three 4K displays at 60 Hz or a single 8K display at 30 Hz.

Core Specifications

- Processor: Intel Core i5 1235U
- Graphics: Intel Iris Xe
- Memory: 2 x SODIMM slots
- Storage: M.2 SSD



Windows 11 IoT



Fanless



RTC Power Scheduling



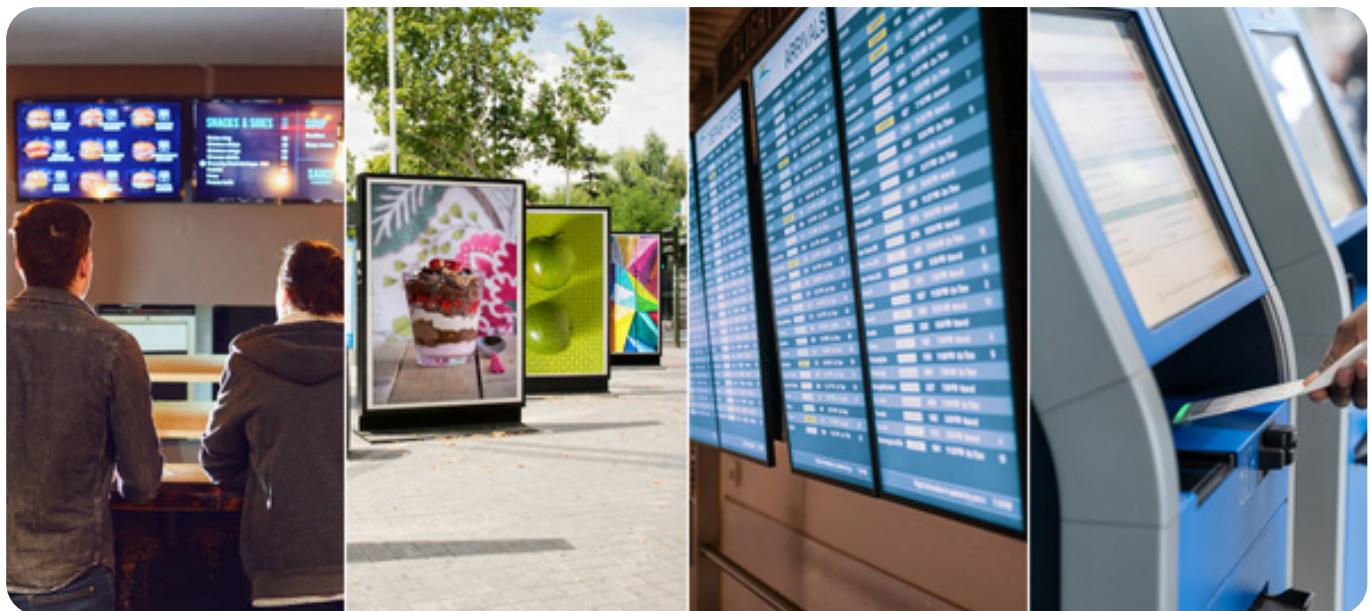
Triple 4K 60 Hz



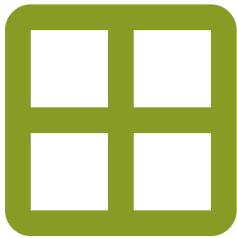
Dual LAN

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

The K105F supports Windows 11 IoT Enterprise, 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 K105F offers quiet operation suited to confined spaces.



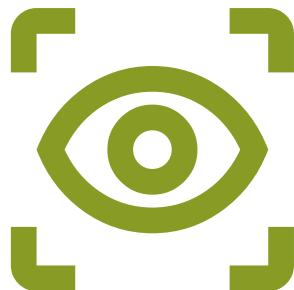
RTC Power Scheduling

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.



Triple 4K or Single 8K Output

The K105F can run triple 4K 60 Hz displays via two HDMI 2.0 ports and one DisplayPort, or a single 8K 30 Hz display over DisplayPort. Use it for multi-screen menus, dashboards, and high resolution feature walls from one compact player. DisplayPort, so you can run two 4K displays from a single compact player.



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.

Ports

Ports



1. Power Button
2. Recovery Key
3. 1x USB 3.1 (Type-C)
4. USB 3.1 (Type-A)
5. 3.5mm audio

6. DB-9 RS232



7. D/C in
8. RJ45
9. USB 2.0 (Type-A)
10. HDMI 2.0
11. Displayport 1.4

Supported Resolutions

Supported Resolutions

Video Format			Output		
Shorthand	Resolution	Refresh rate (Hz)	HDMI	HDMI 2	DisplayPort
1080p	1920×1080	30	Yes	Yes	Yes
		60	Yes	Yes	Yes
4K	3840×2160	30	Yes	Yes	Yes
		60	Yes	Yes	Yes
5K	5120×2880	30	No	No	Yes
		60	No	No	Yes
8K	7680×4320	30	No	No	Yes
		60	No	No	No

Dimensions & What's in the box

Compact and lightweight, the H068 is easy to integrate into space-limited signage enclosures or discreet installations.

Player Dimensions



Power Brick Dimensions



What's in the box

Media Player



Antenna's



VESA Mounting Plate



Mounting Screws

Power Supply & Cable



Technical Specification

Performance

Processor	Intel Core i5-1235U - 2P/8E/12T
Memory	Up to 64GB DDR4 3200MHz
Storage	Up to 4TB NVMe SSD
Graphics	Intel Iris Xe Graphics
Operating System	Windows 11 - Home / Pro / Enterprise IoT No operating system - Optional

System

Power Supply	External 90W brick (19V 4.74A, 5.5mm x 2.5mm)
TPM	TPM 2.0
Audio	Realtek HD Audio
RTC	Power scheduling supported

Physical

In the box	K105F system Power supply Power Cable VESA mounting bracket
Dimensions	190mm x 148mm x 45mm
Weight	Gross Weight: 2.08Kg Net Weight: 1.29Kg
Packaging	Paper: 212g (82.81%) Plastic: 44g (17.19%)

Optional Extras

Upgrades	Intel Wi-Fi 6E (802.11ax) + BT 5.3 4G / 5G
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Conformity

Conformity	UKCA / CE / FCC / ROHS
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Connectivity

Networking	Dual Realtek 1Gb LAN Wi-Fi 6 (802.11ax) & Bluetooth 5.2
Front IO	1 x USB 3.1 (Type-C) 2 x USB 3.1 (Type-A) 2 x 3.5mm audio (1 x Mic & 1 x Headphones)
Side IO	2 x DB-9 RS232
Rear IO	2 x HDMI 2.0 1 x Displayport 1.4 4 x USB 2.0 (Type-A) 2 x LAN (RJ45) 1 x D/C in

Warranty

Standard	1 year collect and return
Optional Upgrades	Up to 5 years total cover Extended Service Plan

Environment

Operating Temperature	-5°C to 45°C
Operating Humidity	10% to 90% non-condensing
Storage Temperature	-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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