



InHand Networks

## InBOX710 Series

# Edge Computer for Unattended Retail

The InBOX710 is an industrial-grade edge computer powered by a high-performance ARM processor integrating dual-core Cortex-A72, quad-core Cortex-A53 and Mali T860 MP4 GPU, which enables artificial intelligence at the edge.

Featuring 4K Ultra HD on HDMI, touch screen interface, advanced peripherals on USB & serial ports, and high-speed LTE connectivity, the InBOX710 is the engine of unattended retail solutions.

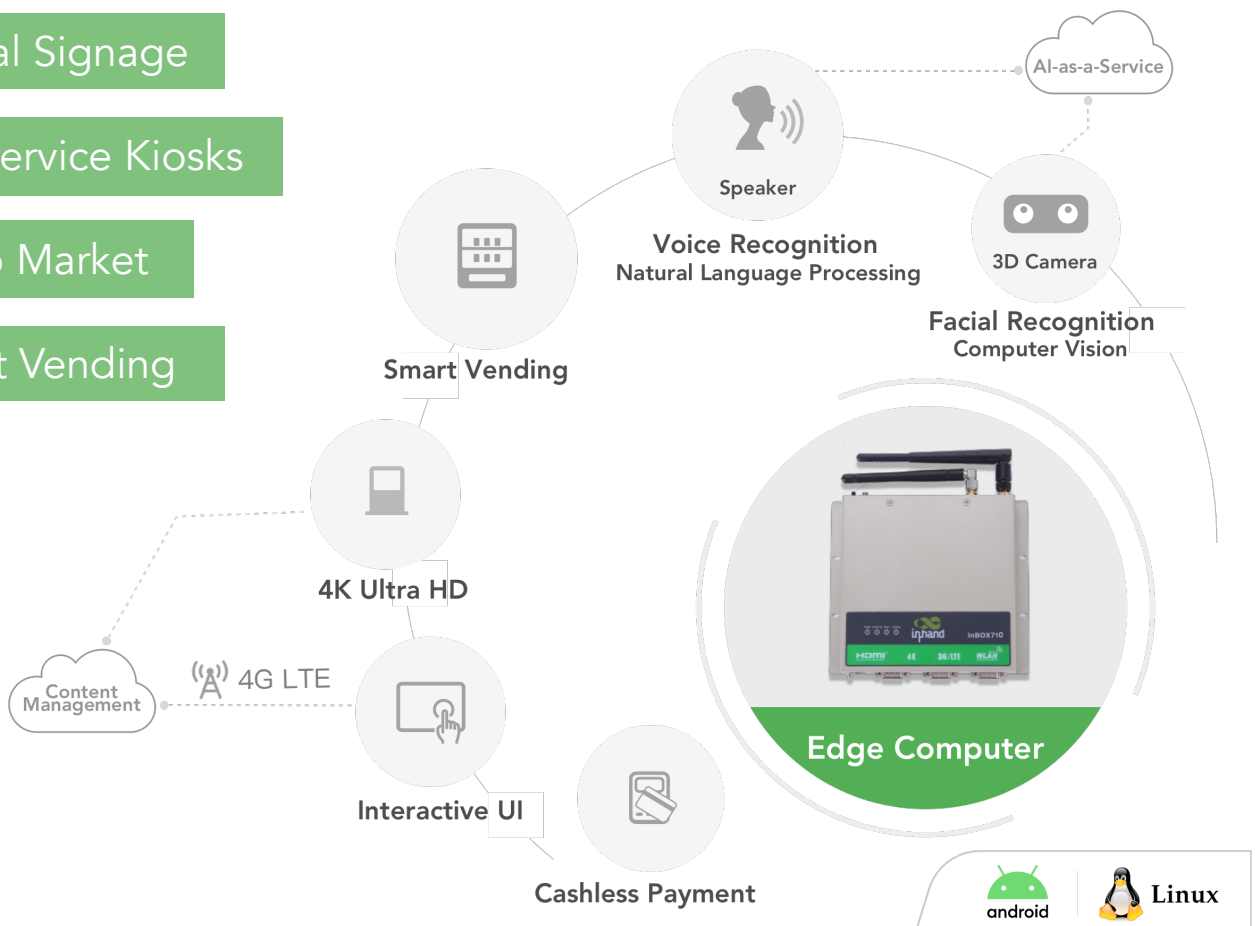
With rugged metal enclosure and wide temp -20°C to +70°C, the InBOX710 is designed to withstand outdoor or harsh environments.

+ Digital Signage

+ Self-service Kiosks

+ Micro Market

+ Smart Vending



## Features and Advantages

- + ARM Dual-core Cortex-A72 & Quad-core Cortex-A53
- + Android 7.1, Linux(debian)
- + 4G LTE
- + Wi-Fi
- + Gigabit Ethernet
- + HDMI
- + Serial
- + USB 3.0
- + 16GB Flash
- **AI for Unattended Retail**  
Equipped with powerful ARM processor, USB 3.0, and LibUSB+LibUVC, the InBOX710 is capable of driving 3D cameras and other peripherals to enable facial/voice recognition powered by AI.
- **High-speed and Reliable LTE Connectivity**  
With 4G LTE/3G, the InBOX710 ensures reliable and continuous connectivity for digital signage and retail.
- **4K Ultra HD Display & Touchscreen Interface**  
The InBOX710 edge computer/media player supports 4K@60 HZ and touchscreen to display ultra HD videos and interactive UI for an engaging customer experience.

## Specifications

InBOX710		
Processor	CPU	ARM Dual-core Cortex-A72 & Quad-core Cortex-A53. 1.8 GHz, 64-bit
	GPU	ARM Mali-T860MP4 GPU, support OpenGL ES1.1/2.0/3.0, OpenCL1.2, DirectX11.1 etc
	Memory	2 GB DDR3 or LPDDR4
	Flash	16 GB eMMC
Graphic	Processing	Dual ISP, up to 800 MPix/s. 3D, and deep information extraction
	Video codec	H.265/H.264/VP9 4K@60 fps HD video decoding
	Image	BMP, JPG, PNG, and GIF
Interface	SIM	SD slot × 1, 1.8 V/3 V
	Antenna	4G: SMA × 1; Wi-Fi/Bluetooth: RP-SMA × 1
	Serial	RS232 × 3 (1 RS232 can be configured to RS485), DB9 male connector
	USB	USB 2.0 × 2, USB 3.0 × 1
	Ethernet	Gigabit Ethernet × 1, LAN/WAN;
	HDMI	HDMI 2.0 × 1. Resolution: 4096×2160(4K), 1920x1080, 1366x768, 1280x720, 1024x768
	Wi-Fi	802.11b/g/n, Client/AP mode
	LED Indicators	Power, Operating, 4G, Wi-Fi
	Power	DC input-12 V DC.
	Physical	Mounting
Dimensions		17x15x2.6cm
Cooling		Fanless
Environment	Operating Temperature	-20°C to +70°C (industrial grade)
	Storage Temperature	-40°C to +85°C <b>Humidity:</b> 5–95% (non-condensing)
Software	OS	Android 7.1/Linux(debian)
	Watchdog	Support
Others	Hardware information	Custom API used to read hardware information.
	RTC	Embedded RTC, power supply with a supercapacitor
	Power consumption	<10 W
EMC	Level	ESD: EN61000-4-2, level 3; EFT: EN61000-4-4, level 2; Surge: EN61000-4-5, level 2
Certifications		CE, FCC, Verizon Wireless, AT&T

# Ordering Guide

Model	Model code: : InBOX710-<WMNN><STD><S>		
	<WMNN>: wireless type & module	<STD/L>: OS	<S>: Serial port type
InBOX710-FS39-STD	North America, Verizon Wireless LTE-FDD CAT 6 Band 2/4/5/12/13/17/29 UMTS(HSPA+) Band 2/4/5 EDGE/GPRS/GSM 850/900/1800/1900MHz	STD: standard Android version	<NA>: RS232 x 3 -485: RS485 x 1, RS232 x 2
InBOX710-FS39-L	North America, Verizon Wireless LTE-FDD CAT 6 Band 2/4/5/12/13/17/29 UMTS(HSPA+) Band 2/4/5 EDGE/GPRS/GSM 850/900/1800/1900MHz	L: Linux(debian)	<NA>: RS232 x 3 -485: RS485 x 1, RS232 x 2
InBOX710-FQ58-PLAT	EMEA/South Korea/Thailand/India LTE-FDD B1/B3/B7/B8/B20/B28A WCDMA B1/B8 GSM/EDGE B3/B8	PLAT: Support for the intelligent vending machine platform	<NA>: RS232 x 3 -485: RS485 x 1, RS232 x 2
InBOX710-FQ58-STD	EMEA/South Korea/Thailand/India LTE-FDD B1/B3/B7/B8/B20/B28A WCDMA B1/B8 GSM/EDGE B3/B8	STD: standard Android version	<NA>: RS232 x 3 -485: RS485 x 1, RS232 x 2
InBOX710-FQ88-STD	Japan LTE-FDD Band 1/ 3/ 8/18/19/26 LTE-TDD Band 41 WCDMA Band 1/6/8/19	STD: standard Android version	<NA>: RS232 x 3 -485: RS485 x 1, RS232 x 2
InBOX710-FB23-STD	North America, Verizon Wireless LTE-FDD CAT1 Band4/13	STD: standard Android version	<NA>: RS232 x 3 -485: RS485 x 1, RS232 x 2

## About Us

InHand Networks is a global leader of Industrial IoT, with a record of tremendous success following groundbreaking innovation since our inception in 2001.

InHand serves world-class partners and customers with industrial M2M routers, gateways, industrial Ethernet switches, rugged computers and IoT management platforms. We provide IoT solutions for various vertical markets including Smart Grid, Industrial Automation, Remote Machine Monitoring, Smart Vending, Smart City, Retail and more.

3900 Jermantown Rd., Suite 150, Fairfax, VA 22030 USA

T: +1 (703) 348-2988

E: [info@inhandnetworks.com](mailto:info@inhandnetworks.com)

[www.inhandnetworks.com](http://www.inhandnetworks.com)

