InHand Networks

PAY IT FORWARD COMPANY LIMITED

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 HMDI, touch screen interface, advanced peripherals on USB & serial ports, and high-speed LTE connectivity, the InBox710 is the engine of unattended retail solutions.

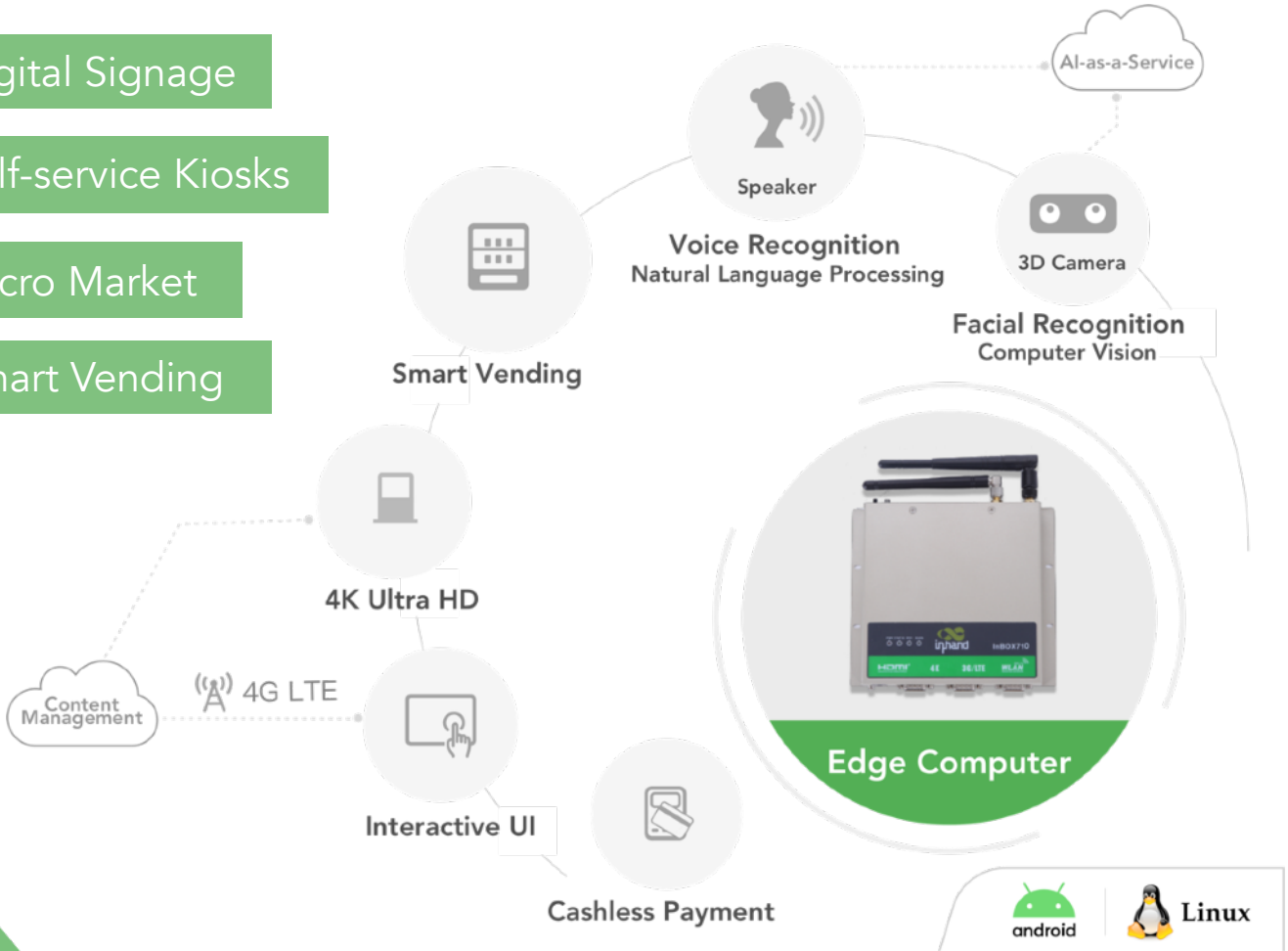
With rugged metal enclosure and wide temp -20°C to +70°C, the InBox710 is designed to withstand outdoor or harsh environments.

+ 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(ubuntu)
+ 4G LTE
+ Wi-Fi
+ Gigabit Ethernet
+ HDMI
+ Serial
+ USB 3.0
+ 16GB Flash
+ Fanless Design

- **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 x 3 (1 RS232 can be configured to RS485), DB9 male connector	
	USB	USB 2.0 x 2, USB 3.0 x 1	
	Ethernet	Gigabit Ethernet × 1, LAN/WAN;	
	HDMI	HDMI 2.0 x 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	Wall-mounted	Housing: Metal, IP40
	Dimensions	17x15x2.6cm	
	Cooling	Fanless	
Environment	Operating Temperature	-20°C to +70°C (industrial grade)	
	Storage Temperature	-40°C to +85°C	Humidity: 5–95% (non-condensing)
Software	OS	Android 7.1/Linux(ubuntu)	
Others	Watchdog	Support	
	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	<NA>: RS232 x 3 -485: RS485 x 1, RS232 x 2

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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.

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