

InBOX710 Series

Edge Computer for Unattended Retail

The InBOX710 is an industrial-grade edge computer powered by a high-performance RK3399 processor integrating dual-core Cortex-A72, quad-core Cortex-A53.

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.

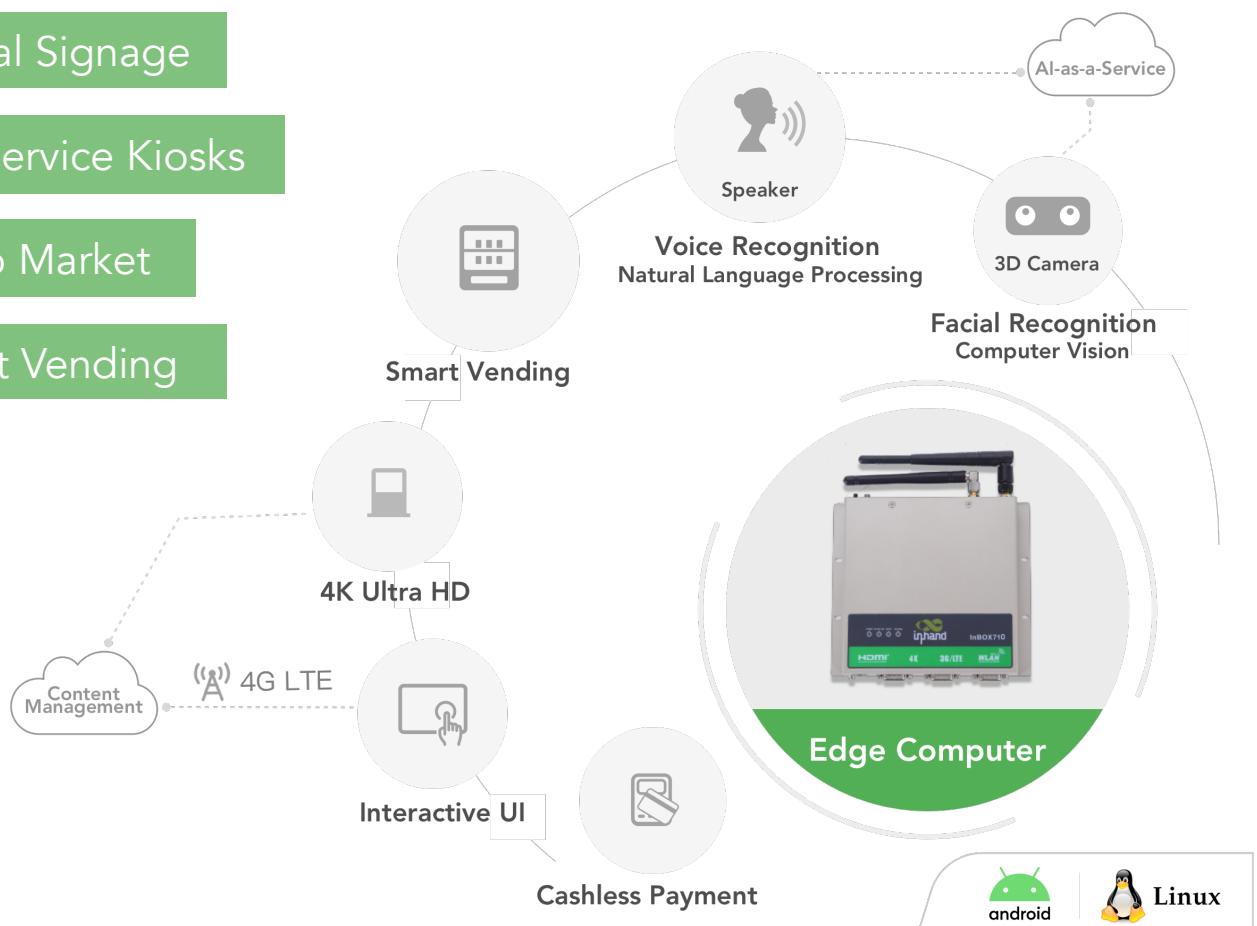
With rugged metal enclosure and wide temp -20°C to +70°C, the InBOX710 is designed to withstand outdoor or harsh environments.

+ Digital Signage

+ Self-service Kiosks

+ Micro Market

+ Smart Vending



Linux

Features and Advantages

- + Dual-core Cortex-A72 & Quad-core Cortex-A53
 - + Android 10.0
 - + 4G LTE
 - + Wi-Fi
 - + Ethernet
 - + HDMI
 - + Serial
 - + USB 3.0
 - + 64GB Flash
- **AI for Unattended Retail**
Equipped with powerful RK3399 processor, USB 3.0, 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	RK3399 Dual-core Cortex-A72 & Quad-core Cortex-A53. 1.8 GHz, 64-bit	
	Memory	4 GB DDR3 or LPDDR4	
	Flash	64 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	1.8 V/3 V; drawer-type card holder × 1, for SIM card insertion	
	SD card slot	SD slot × 1	
	Antenna	4G: SMA × 1; Wi-Fi/Bluetooth: RP-SMA × 1	
	Serial	RS232 × 3 (1 RS232 can be configured to RS485), DB9 male connector	
	Bluetooth	Supported (2402MHz–2480MHz)	
	USB	USB 2.0 × 2, USB 3.0 × 1	
	Ethernet	10/100Mbit/s Ethernet Interface × 1, LAN/WAN	
	HDMI	HDMI 2.0 × 1, Resolution: 4096 × 2160(4K), 1920×1080, 1366×768, 1280×720	
	Network standard	4G full-frequency	
	Wi-Fi	802.11b/g/n, Client/AP mode	
	LED Indicators	Power, Operating, 4G, Wi-Fi	
	Button interface	One power-on/off button and one Mode button	
	Power	DC input-12 V DC, The power interface is a self-lock four-core circular interface.	
	Physical	Mounting	Wall-mounted Housing: Metal, IP40
		Dimensions	17cmx15cmx2.6cm
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 10	
	Watchdog	Supported	
Others	Hardware information API	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 3; Surge: EN61000-4-5, level 3	

Ordering Guide

Model code: InBOX710-<WMNN>-<STD>-<S>								
Model	Region (Operator)	Network Type	<WMNN>: Cellular Networks		<STD>: OS	<S>: Serial port type		
InBOX710-FQ58-STD-A	Thailand	LTE-FDD	2G	GSM900	Tx 880~915 MHz, Rx 925~960 MHz			
				GSM1800	Tx 1710~1785 MHz, Rx 1805~1880 MHz			
			3G	WCDMA Band1	Tx 1920~1980 MHz, Rx 2110~2170 MHz			
				WCDMA Band8	Tx 880~915 MHz, Rx 925~960 MHz			
			4G	LTE Band 1	Tx 1920~1980 MHz, Rx 2110~2170 MHz		STD: Android 10	<NA>: RS232*3
				LTE Band 3	Tx 1710~1785 MHz, Rx 1805~1880 MHz			
				LTE Band 7	Tx 2500~2570 MHz, Rx 2620~2690 MHz			
				LTE Band 8	Tx 880~915 MHz, Rx 925~960 MHz			
				LTE Band 20	Tx 832~862 MHz, Rx 791~821 MHz			

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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