



InHand Networks

InBOX710 Series

Edge Computer for Unattended Retail

The InBOX710 is an industrial-grade edge computer powered by a high-performance RK3399 processor, 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.

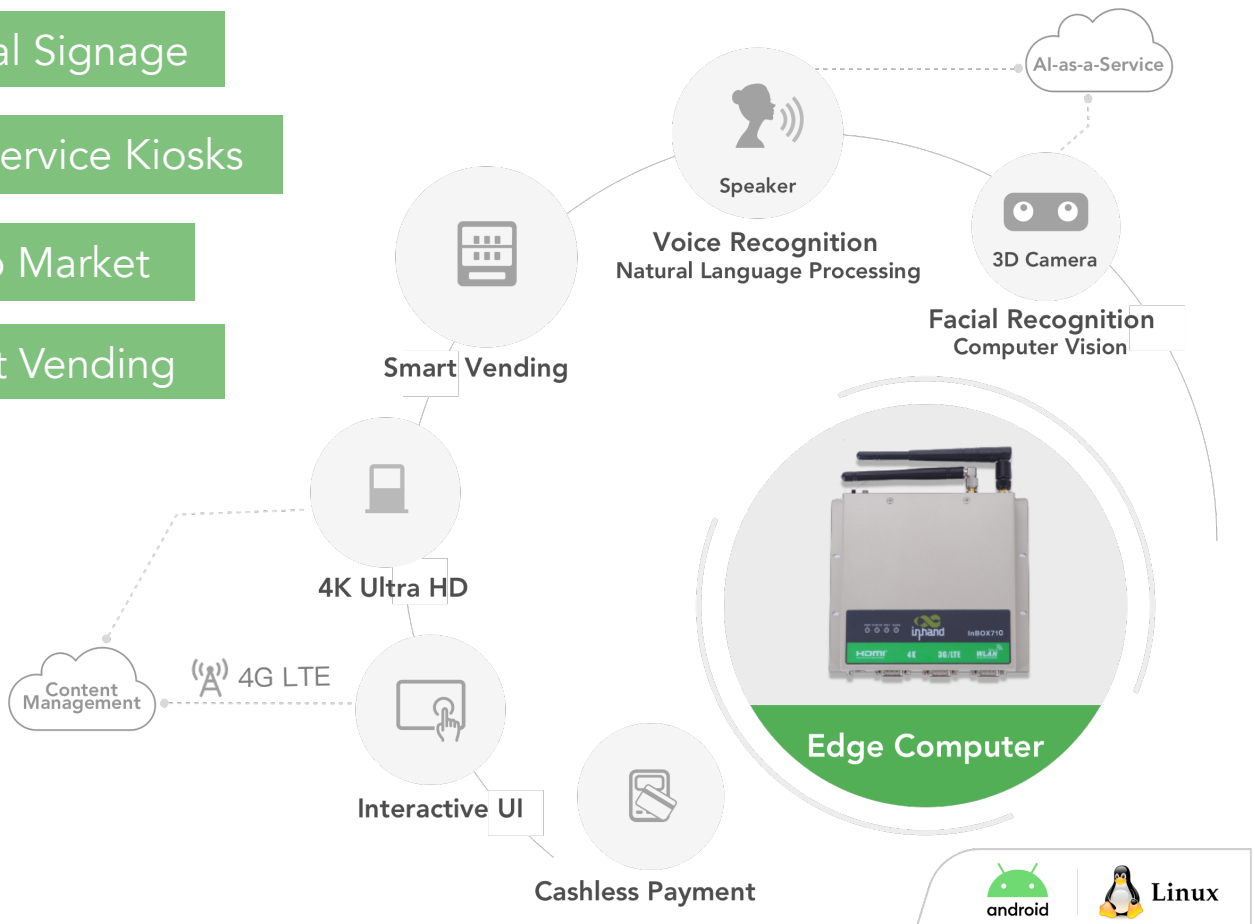
With rugged metal enclosure and wide temp -20°C to +70°C, the InBOX710 is designed to withstand outdoor or harsh environments.

+ 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, 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	RK3399, highest frequency: 1.8GHz; 64 bits		
	Memory	2GB	Flash	16GB
Graphic	Processing	Double ISP pixel processing capability up to 800 MPix/s, with support for simultaneous data input from two cameras, and high-level processing such as 3D and deep information extraction		
	Video codec	H.265/H.264/VP9 4K@60 fps HD video decoding	Image	BMP, JPG, PNG, GIF
Interface	SIM Card Slot	Drawer-type SIM card holder × 1	SD Card Slot	Drawer-type SD card holder × 1
	Antenna	3G/4G: SMA × 1; Wi-Fi: RP-SMA × 1	LED Indicators	Power, Operation Status, 3G/4G, Wi-Fi
	Serial	RS232 × 3 (1 RS232 can be configured to RS485), DB9 male connector		
	USB	USB 2.0 Type A × 2, 2A; USB 3.0 Type A × 1, 1.5A (independent power supply)		
	Ethernet	10/100Mbps Ethernet port × 1, LAN/WAN	Wi-Fi	802.11b/g/n, Client/AP mode
	HDMI	HDMI 2.0 × 1 Resolution: 4096×2160 (4K), 1920×1080, 1366×768, 1280×720, 1024×768, with audio output		
	Power	12V DC-input × 1 (self-lock four-core circular interface)		
	Physical	Installation	Wall-mounting	Housing
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 (Debian)		
Others	Watchdog	Supported	RTC	Embedded RTC, power supply with Button batteries
	Hardware information API	Custom API used to read hardware information	Power consumption	<10 W
EMC	Level	ESD: level 3; EFT: level 3; Surge: level 3		
Certification	CE, FCC, IC			

Ordering Guide

Model	Model code: InBOX710-<WMNN>-<STD/PLAT/L>-<A>-<S>							
	Region (Operator)	Network Type	<WMNN>: Cellular Networks		CPU	Memory Flash	<STD/PLAT/L>: OS	<S>: Serial port type
InBOX710-FQ58-PLAT	EMEA South Korea Thailand India	LTE-FDD	LTE-FDD WCDMA GSM/EDGE	B1/B3/B7/B8/B20/B28A B1/B8 B3/B8	Six-core	2+16GB	PLAT: Supports InVending SaaS	<NA>: RS232*3
InBOX710-FQ58-STD	EMEA South Korea Thailand India	LTE-FDD	LTE-FDD WCDMA GSM/EDGE	B1/B3/B7/B8/B20/B28A B1/B8 B3/B8	Six-core	2+16GB	STD: Android 7.1	<NA>: RS232*3
InBOX710-FQ58-STD-A	EMEA South Korea Thailand India	LTE-FDD	LTE-FDD WCDMA GSM/EDGE	B1/B3/B7/B8/B20/B28A B1/B8 B3/B8	Six-core	4+64GB	STD: Android 7.1	<NA>: RS232*3
InBOX710-FQ58-L	EMEA South Korea Thailand India	LTE-FDD	LTE-FDD WCDMA GSM/EDGE	B1/B3/B7/B8/B20/B28A B1/B8 B3/B8	Six-core	2+16GB	L: Linux Debian9	<NA>: RS232*3
InBOX710-FQ58-L-485	EMEA South Korea Thailand India	LTE-FDD	LTE-FDD WCDMA GSM/EDGE	B1/B3/B7/B8/B20/B28A B1/B8 B3/B8	Six-core	2+16GB	L: Linux Debian9	485: RS485*1, RS232*2
InBOX710-FQ88-STD	Japan	LTE-FDD	LTE-FDD LTE-TDD WCDMA	B1/B3/B8/B18/B19/B26 B41 B1/B6/B8/B19	Six-core	2+16GB	STD: Android 7.1	<NA>: RS232*3
InBOX710-FQ39-STD	North America	LTE-FDD	LTE-FDD B2/B4/B5/B7/B12/B13/B25/B26/B29/B30/B66 2xCA B2+B2/B5/B12/B13/B29; B4+B4/B5/B12/B13/B29; B7+B5/B7/B12/B26; B25+B5/B12/B25/B26; B30+B5/B12/B29; B66+B5/B12/B13/B29/B66 WCDMA B2/B4/B5		Six-core	2+16GB	STD: Android 7.1	<NA>: RS232*3
InBOX710-FQ58-STD-485	EMEA South Korea Thailand India	LTE-FDD	LTE-FDD WCDMA GSM/EDGE	B1/B3/B7/B8/B20/B28A B1/B8 B3/B8	Six-core	2+16GB	STD: Android 7.1	485: RS485*1, RS232*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.

43671 Trade Center Place, Suite 100, Dulles, VA 20166 USA

T: +1 (703) 348-2988

E: info@inhandnetworks.com

www.inhandnetworks.com

