

## InBOX710\_I Series

# Edge Computer for unattended scenarios with high EMC

The InBOX710\_I is an industrial-grade edge computer powered by a high-performance RK3399K 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\_I is the engine of unattended devices solutions.

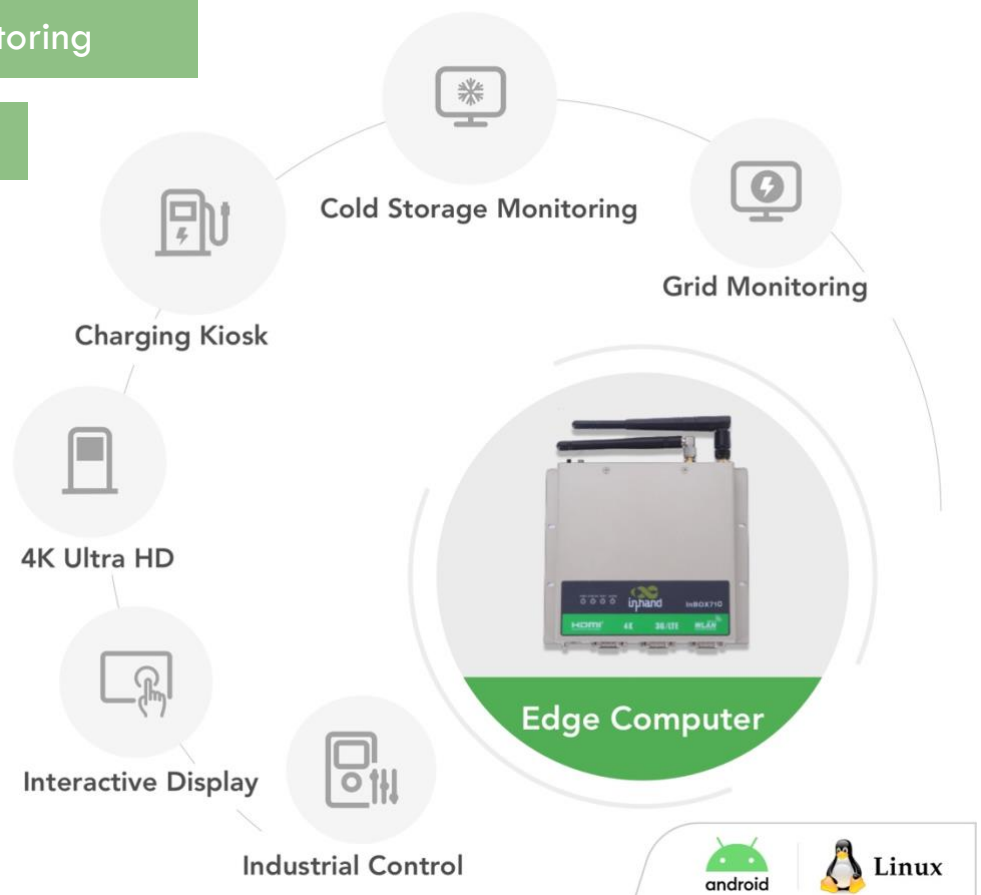
With rugged metal enclosure, level4 high EMC indicator and wide temp -25°C to +70°C, the InBOX710\_I is designed to withstand industry or harsh electromagnetic environments.

+ Industrial Remote Monitoring

+ Building Automation

+ Charging Kiosk

+ Smart Grid



## Features and Advantages

- + EMC level4
- + -25°C~70°C Wide Temp
- + 4G LTE, Wi-Fi, Ethernet
- + HDMI, Serial Port, USB 3.0
- + Android 7.1, Linux (Debian)
- + Fanless Design
- **High-performance Computer**  
Equipped with a high-performance 6-core processor-RK3399K , main frequency 2GHz, the InBOX710\_I is suitable for various application scenarios to provide powerful computing power.
- **High-speed and Reliable LTE Connectivity**  
With 4G LTE/3G, the InBOX710\_I ensures stable and timely reporting of device status and fault alarms.
- **Wide Temperature and High EMC Protection**  
With wider operating temperature range, and EMC protection up to level4, the InBOX710\_I ensures the safe and stable operation of the equipment in industrial or harsh electromagnetic environments.

## Specifications

InBOX710_I				
<b>Processor</b>	CPU	RK3399K, highest frequency: 2GHz; 64 bits		
	Memory	2GB	Flash	16GB
<b>Graphic</b>	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
<b>Interface</b>	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 x 3 (1 RS232 can be configured to RS485), DB9 male connector		
	USB	USB 2.0 Type A x 2, 2A; USB 3.0 Type A x 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 Up to 4K support: 4096×2160 (4K)	Bluetooth	4.2
	Power	12V DC-input × 1 (self-lock four-core circular interface)		
<b>Physical</b>	Installation	Wall-mounting	Housing	Metal, IP40
	Dimensions	17cm * 15cm * 2.6cm	Cooling	Fanless
<b>Environment</b>	Operating Temperature	-25°C to +70°C (industrial grade)		
	Storage Temperature	-40°C to +85°C	Humidity	5~95% (non-condensing)
<b>Software</b>	OS	Android 7.1/Linux (Debian)		
<b>Others</b>	Watchdog	Supported	RTC	Embedded RTC, power supply with
	Hardware information API	Custom API used to read hardware information	Power consumption	<10 W
<b>EMC</b>	Level	ESD: level 4; EFT: level 4; Surge: level 4		
<b>Certification</b>	CE (NB) 、 REACH、 RoHS、 POPs			

# 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-L-485-I	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

## 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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