InHand Networks

High-performance, Stable, ARM Industrial Computer

InBOX710

Meets various peripheral expansion needs, promoting your digitalization process

With the deepening of modernization, businesses are facing increasingly complex and diverse tasks and demands, spanning various sectors such as production, manufacturing, logistics, warehousing, operations, and retail. These processes require extensive data collection, transmission, processing, and real-time interaction to achieve automation control, intelligent management, and decision support. At the same time, businesses need equipment that can operate stably for extended periods and facilitate efficient communication to ensure the continuity of production and operations.

Based on this, InHand Corporation has introduced the 4G high-performance smart terminal, InBOX710, tailored for the industrial and business sectors. InBOX710 offers higher performance, lower power consumption, and a more stable combination of software and hardware, ensuring smoother and more stable data transmission. It comes equipped with a variety of peripheral interfaces such as RS232, RS485, USB, HDMI, and Ethernet, making it suitable for diverse enterprise needs in different scenarios. It offers optional Android and Linux operating systems, facilitating user-friendly development of necessary applications. This assists customers in local data collection and real-time stable uploads to third-party cloud management platforms, enabling remote monitoring and management on the cloud platform.

InBOX710 adopts an industrial-grade design, supporting 12V power input and a wide temperature operating range. It is designed for industrial applications, providing Level 3 EMC protection, ensuring the stable operation of customer devices.

The InBOX710 series of industrial computers are particularly well-suited for data integration, operational management, and equipment networking solutions in the industrial and commercial sectors:

- Self-service vending machines
- Unmanned supermarkets
- Self-checkout terminals
- Smart parcel lockers
- Intelligent charging cabinets
- Large industrial and commercial equipment
- Medical devices

Application

Self-checkout

EV Charging Kiosk

Self-service Intelligent Locker

Vending Machine

Micro Market

InBOX700
Edge Computer for Unattended Retail

Digital Signage

Intelligent Service Robot

Features and Advantages

- + Supports 4G, WiFi, Bluetooth

- + Six-core processor

- + 2GB RAM/16GB storage

- + Supports 4K video output

- + Support 100M network port

- + Supports 2*RS232, 1 * RS485/RS232

- + Equipped with 2 USB2.0 ports, 1 USB3.0 port

- + Metal casing, IP40 protection rating

- + EMC protection level: Level 3

- + Supports a wide temperature range of −20°C to 70°C

● Stable High-Speed, Seamless Network Connectivity

InBOX710 supports various network connection methods such as 4G, WiFi, and wired, adapting to different machine deployment environments and on-site network requirements. At the same time, its exceptionally high network connectivity stability helps you effortlessly handle various data transmission needs, ensuring uninterrupted device communication and providing you with a seamless network access experience anytime, anywhere

● Powerful Configuration, Infinite Possibilities

InBOX710 is equipped with a high-performance processor, unafraid of computations, effortlessly handling and perfectly addressing applications with complex computational requirements. Additionally, it boasts a rich array of interfaces and expansion capabilities, supporting the connection and integration of various peripherals, offering customers endless possibilities for expansion.
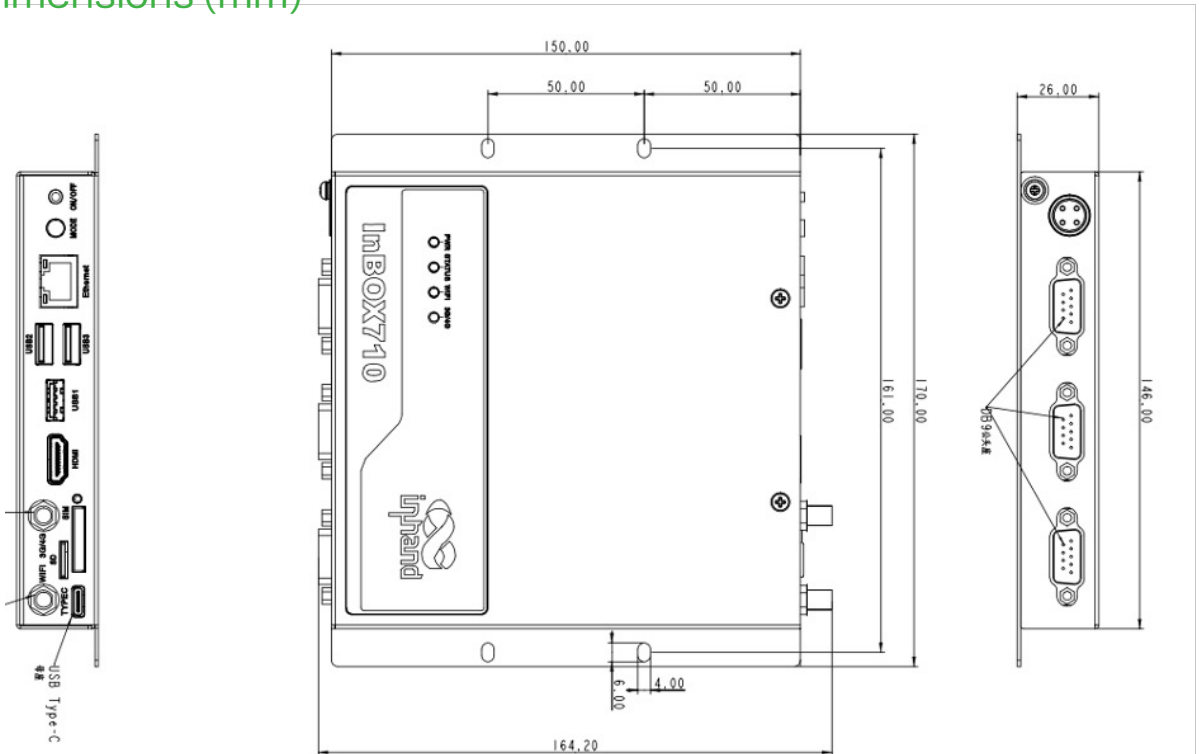
● Deep Optimization, Support for Multiple Operating Systems

The InBOX710 product offers a choice of Android/Linux operating systems, perfectly compatible with third-party applications. It has also undergone deep optimization of the operating system itself, ensuring the long-term stability of both the system and customer applications, providing you with a flexible and versatile app development environment.

● Industrial Design, Long-Term Reliability Assurance

The InBOX710 product adopts an industrial-grade design coupled with a deeply optimized operating system, providing stable performance and reliable quality. It can adapt to various environments and working conditions, ensuring that customer devices can operate continuously and stably, reducing failures and downtime, and consistently delivering value to customers.

Dimensions (mm)

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Product Specifications

InBOX710 Hardware Specifications			
Item	InBOX710		
Hardware Platform			
CPU	RK3399; dominant frequency: 1.8 GHz		
RAM	2GB		
FLASH	16GB		
Interfaces			
Power	12V DC-input *1 (self-lock four-core circular interface);		
USB	USB2.0 * 2 ; USB3.0 * 1		
Serial Port	RS232 *2, DB9; RS232/RS485 *1, DB9;		
SIM Card Slot	Drawer-type SIM card holder * 1 ;		
SD Card Slot	Drawer-type SD card holder *1		
3G/4G Antenna	SMA *1;		
Wi-Fi Antenna	RP-SMA *1;		
Ethernet Port	10/100Mbps *1，LAN/WAN；		
HDMI	HDMI 2.0 x 1 output Resolution: 4096 × 2160 (4K), 1920x1080, 1366x768, 1280x720, 1024x768, with audio		
Debugging	TypeC interface *1;		
Power Button	Power button (Power) *1;		
Other Buttons	Mode key (Mode) *1;		
Mechanical Specs			
Installation	Wall mount	Protection Rating	IP40;
Housing	Metal	Cooling	Fanless
Dimensions	17cm * 15cm * 2.6cm (includes mounting hardware)		
Environment			
Storage Temp.	-40 ~ 85℃;	Ambient Humidity	5 ~ 95% (non-condensing)
Working Temp.	-20~ 70℃;		
Indicator			
power light	Power supply indicator light, always on after power on;		
status light	The status indicator light flashes during normal operation;		
Wi-Fi light	WIFI connection indicator light is always on when connected normally;		
3G/4G light	3G/4G connection indicator light is always on when connected normally;		
EMC			
ESD	level 3;		
EFT	level 3;		
Surge	level 3;		
Other			
RTC	Embedded RTC, power supply with Button batteries		
Power consumption	The whole machine is less than 10w; (without peripherals)		
Certification	CCC、CE、FCC、IC		

InBOX710 Software Specifications	
Item	InBOX710
Software Support	
OS	Linux(Debian9) / Android
Network	
Network	4G；
WIFI	Support, 802.11b/g/n, support Client/AP mode;
Bluetooth	Bluetooth 4.2
Graphics Processing	
Processing Power	Dual ISP pixel processing capacity is up to 800MPix/s, supports dual camera data input at the same time, and supports high-end processing such as 3D and depth information extraction;
Video Codec	H.265/H.264/VP9 4K@60fps HD video decoding;
Image Processing	BMP, JPG, PNG, GIF
Configuration	
Timer switch	support;
Upgrade	
System Upgrade	Local USB upgrade

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● Ordering Guide

Model	Model Number: InBOX710-<WMNN>-<STD/PLAT/L>-<A>-<S>			
	Region	<WMNN>: Cellular Networks	<STD/PLAT/L>: OS	<S>:Serial port type
InBOX710-DQ20-L/STD	China	LTE FDD: B1/B3/B5/B8 LTE TDD: B34/B38/B39/B40/B41 WCDMA: B1/B8 TD-SCDMA: B34/B39 CDMA/EVDO: BC0 GSM/EDGE: 900/1800MHz	L: Debian STD: Android	
InBOX710-DQ20-L/STD-485	China	LTE FDD: B1/B3/B5/B8 LTE TDD: B34/B38/B39/B40/B41 WCDMA: B1/B8 TD-SCDMA: B34/B39 CDMA/EVDO: BC0 GSM/EDGE: 900/1800MHz	L: Debian STD: Android	RS485 *1
InBOX710-FQ58-L/STD	EMEA	LTE-FDD B1/B3/B7/B8/B20/B28A WCDMA B1/B8 GSM/EDGE B3/B8	L: Debian STD: Android	
InBOX710-FQ58-L/STD-485	EMEA	LTE-FDD B1/B3/B7/B8/B20/B28A WCDMA B1/B8 GSM/EDGE B3/B8	L: Debian STD: Android	RS485 *1
InBOX710-FQ39-L/STD	North America	LTE-FDD B2/B4/B5/B7/B12/B13/B25/B26/B29/B30/B66 2 × CA 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	L: Debian STD: Android	
InBOX710-FQ39-L/STD-485	North America	LTE-FDD B2/B4/B5/B7/B12/B13/B25/B26/B29/B30/B66 2 × CA 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	L: Debian STD: Android	RS485 *1
InBOX710-EN00-L/STD	–	–	L: Debian STD: Android	
InBOX710-EN00-L/STD-485	–	–	L: Debian STD: Android	RS485 *1

About Us

InHand Networks is a leading IoT solutions provider founded in 2001, dedicated to driving digital transformation across industries and empowering customers to unlock their full potential and achieve accelerated growth.

We specialize in delivering industrial-grade connectivity solutions for diverse sectors, such as enterprise networks, industrial and building IoT, digital energy, smart commerce, and mobility. Our comprehensive product portfolio and services cater to various applications worldwide, including smart manufacturing, smart grid, intelligent transportation, smart retail, etc. With a global footprint spanning over 60 countries, we serve customers in China, the United States, France, Germany, the United Kingdom, Italy, and beyond.

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