

High-Performance, Stable, ARM Industrial Computer



InBOX712 Industrial Computer

· Dual HDMI

· Gigabit ETH

· 4K Display

· Android 7.1

1. Product Overview

InBOX712 is a 4G ARM industrial computer with dual HDMI extended display and Gigabit Ethernet for multimedia-rich industrial applications.

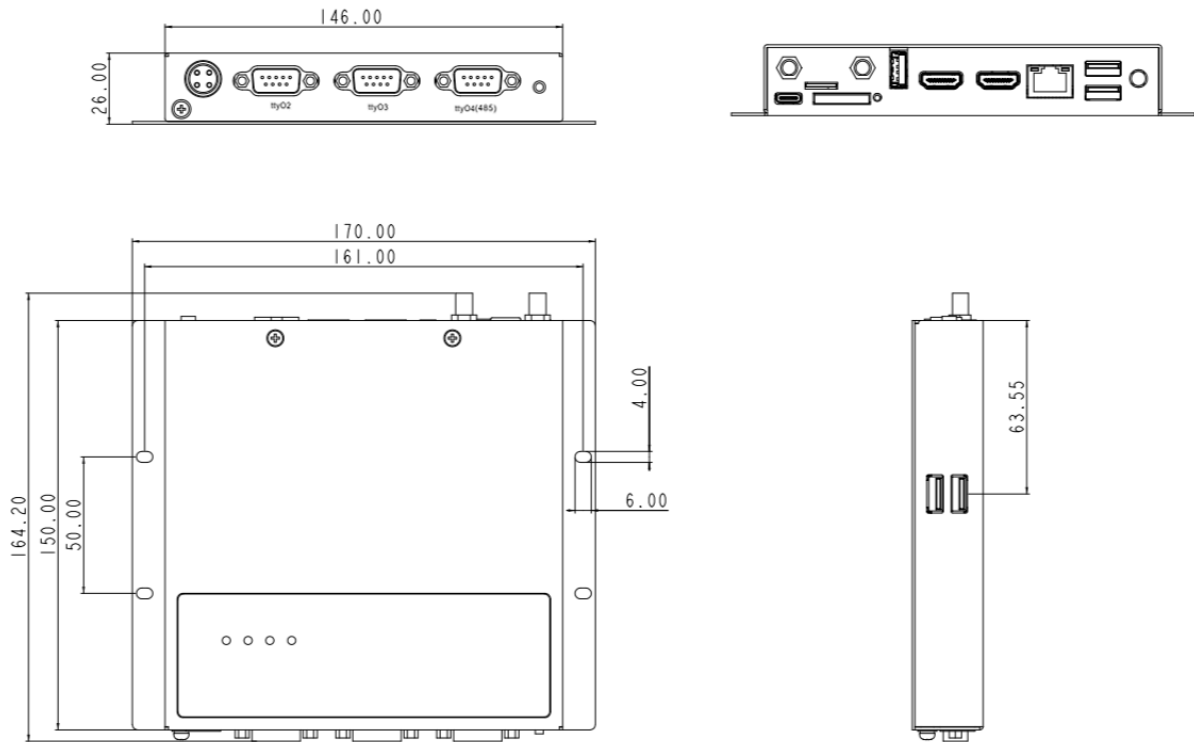
Key Features:

- **Dual HDMI Display:** Two HDMI ports for dual-screen extended display, HDMI with audio, supports up to 4K decoding
- **High Performance:** RK3399 six-core processor at 1.8 GHz, 2 GB RAM / 16 GB storage
- **Rich Interfaces:** 4 × USB 2.0, 1 × USB 3.0, RS232, RS485, Gigabit Ethernet, Bluetooth 4.1
- **Industrial Reliability:** Metal housing, IP40, fanless, -20~70°C wide temperature, EMC Level 3
- **Android Optimized:** Deeply optimized Android 7.1, stable long-term operation for digital signage and kiosks

Core Specifications

Specification	Details
CPU	RK3399, 6-Core, 1.8 GHz
OS	Android 7.1
RAM / Storage	2 GB / 16 GB eMMC
Wi-Fi	802.11b/g/n, Client/AP Mode
Bluetooth	Bluetooth 4.1
Display	Dual HDMI (up to 4K)
Ethernet	1 × 10/100/1000 Mbps
Serial	2 × RS-232, 1 × RS-232/RS-485
USB	4 × USB 2.0, 1 × USB 3.0
Power Input	12 V DC
Working Temperature	-20 ~ 70°C
Dimensions	170 × 150 × 26 mm

2. Product Dimensions



Note:

1. All dimensions are in millimeters (mm).
2. All dimensions are approximate, for reference only.
3. Illustrated dimensions **must not be used for production processing**.
4. Dimensions must comply with component and manufacturing tolerances.
5. Dimensions are subject to change without notice.

3. Hardware Specifications

Category / Parameter	Specification
Processor	
CPU	RK3399, 6-Core, 1.8 GHz
RAM	2 GB
FLASH	16 GB eMMC
Interfaces	
Ethernet	1 × 10/100/1000 Mbps, LAN/WAN

Category / Parameter	Specification
Serial	2 × RS-232 (DB9); 1 × RS-232/RS-485 (DB9)
USB	4 × USB 2.0; 1 × USB 3.0
HDMI	HDMI1: Default 1366 × 768, resolution modifiable, with audio HDMI2: Fixed 1920 × 1080, no audio
Debug	1 × Type-C
SIM	1 × Drawer-type SIM card holder
SD	1 × Drawer-type SD card holder
Antenna	1 × SMA (3G/4G); 1 × RP-SMA (Wi-Fi)
Buttons	1 × Power Button; 1 × Mode Key
Connectivity	
Cellular	4G LTE
Wi-Fi	802.11b/g/n, Client/AP Mode
Bluetooth	Bluetooth 4.1
Power	
Power Input	12 V DC (self-lock four-core circular interface)
Power Consumption	< 10 W (without peripherals)
Mechanical	
Dimensions (W × D × H)	170 × 150 × 26 mm (Including installation parts)
Installation	Wall Mounting
Protection Rating	IP40
Housing	Metal
Cooling	Fanless
Environmental	
Working Temperature	-20 ~ 70°C
Storage Temperature	-40 ~ 85°C

Category / Parameter	Specification
Humidity	5 ~ 95% (non-condensing)
Reliability	
RTC	Embedded RTC with button battery
EMC	
ESD	Level 3
EFT	Level 3
Surge	Level 3
Indicators	
Power LED	Always on after power on
Status LED	Flashing during normal operation
Wi-Fi LED	Always on when connected normally
3G/4G LED	Always on when connected normally
Certification	
Certification	CCC, CE, FCC, IC

4. Software Specifications

Category / Parameter	Specification
Operating System	
OS	Android 7.1
Network	
Network	4G
Wi-Fi	802.11b/g/n, Client/AP Mode
Bluetooth	Bluetooth 4.1
Graphics Processing	

Category / Parameter	Specification
Processing Power	Dual ISP up to 800 MPix/s, supports dual camera data input, 3D and depth information extraction
Video Codec	H.265/H.264/VP9 4K@60fps HD video decoding
Image Processing	BMP, JPG, PNG, GIF
Configuration Management	
Timer Switch	Supported
Upgrade	Local USB upgrade

5. Ordering Information

Model Code

Model code: InBOX712-<WMNN>-<STD/PLAT/L>-<A>-<S>

<WMNN>: Cellular Networks

<STD/PLAT/L>: OS (STD = Android)

<A>: Reserved

<S>: Serial Port Type (485 = RS-485 included)

Product Models

Model	Region	<WMNN>: Cellular Networks	<STD/PLAT/L>: OS	<S>: Serial Port Type
InBOX 712-DQ20-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: 900/1800 MHz	STD: Android	—

Model	Region	<WMNN>: Cellular Networks	<STD/PLAT/L>: OS	<S>: Serial Port Type
InBOX 712- DQ20- 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: 900/1800 MHz	STD: Android	RS-485 × 1
InBOX 712- FQ58- STD- 485	EMEA	LTE-FDD: B1/B3/B7/B8/B20/B28A WCDMA: B1/B8 GSM/EDGE: B3/B8	STD: Android	RS-485 × 1
InBOX 712- FQ39- STD	North America	LTE-FDD: B2/B4/B5/B7/B12/B13/B25/B 26/B29/B30/B66 WCDMA: B2/B4/B5	STD: Android	—
InBOX 712- EN00- STD	Global	—	STD: Android	—

6. Contact Us

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