

# Q6101/Q6133

All-in-one Panel PC



## Overview

Q6101/Q6133 10.1/13.3 inch Android Industrial All-in-one Panel PC with high performance processor and Android 11 OS, is a highly stable intelligent industrial control device. It supports 3G/4G cellular network. The city service and commercial APPs can be directly run in the Android OS to provide convenient interactive services for end users. There are rich peripheral interfaces which can be widely used in city services and new retail fields, the device can meet the needs of IoT fields, such as food-pickup lockers, coffee machines, face payment vending machines, express lockers, robots, vehicle control, medical and other industry application needs.

## Highlights



**Lightweight algorithm, supporting INT8, INT16, FP16 efficient computing**



**Support local network management, LAN/WAN can be online at the same time**

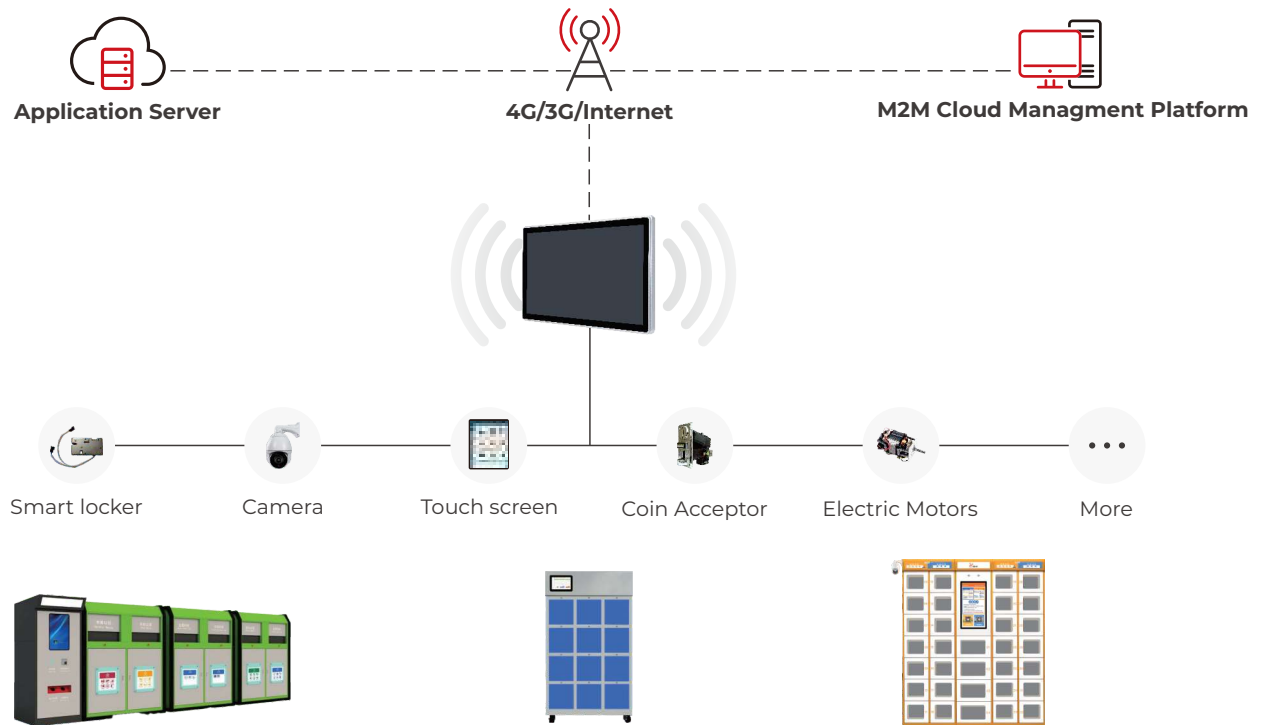


**Super resolution, excellent color and dynamic range**



**10.1/13.3 inch Multi-touch, ultimate interaction**

## Topology diagram



## Features



### AI-Chipset

Rexchip RK3568 Quad-core A55 64-bit CPU, 0.8TOPS Computing Power NPU



### 4G High-speed networks

Smart dialing, Supports 4G/5G automatic dialing and APN adaptive dialing



### 10.1/13.3 inch touch screen

HD/FHD LCD display, multi-touch



### Android OS

Rich android market application  
Self-developed application



### Wedora device management cloud platform

Device failure alarm, improve device online rate  
Device remote management and maintenance

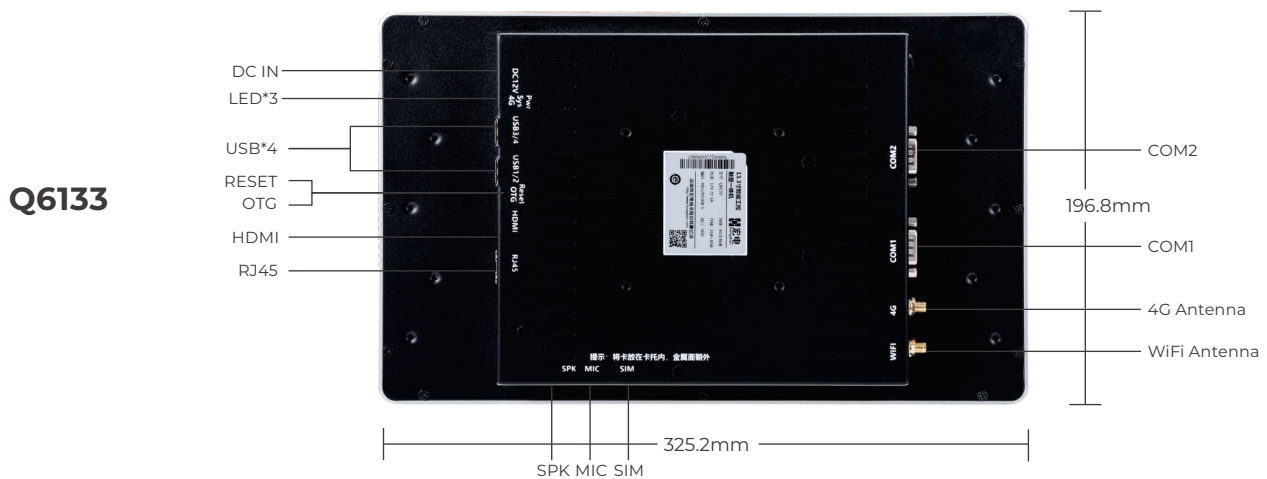
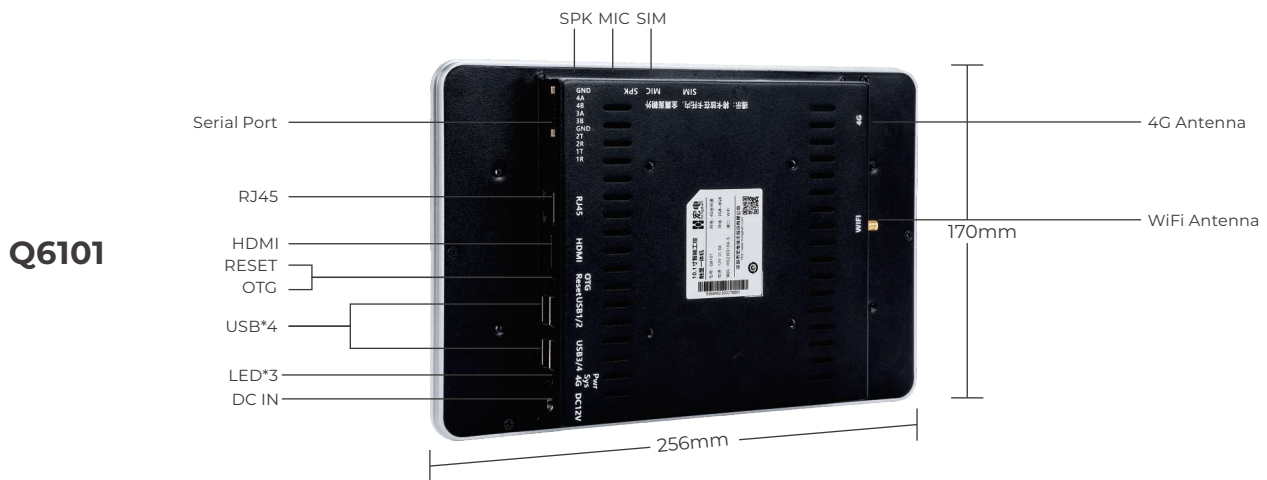
# Specification

Hardware	Q6101	Q6133
CPU	Dual core Cortex-A72 + Quad core Cortex-A53, 2.0GHz	
NPU	0.8TOPS	
Memory	2GB	
Storage	8GB	
<b>Cellular Interface</b>		
Modem	1 × LTE Cat4	
Number of Antennas	1 MAIN	
SIM	1 × Mini SIM (2FF)	
<b>Wireless Interface</b>		
Standards	802.11b/g/n, AP or station modes	
Frequency Bands	2.4 GHz	
Speed	150Mbps	
Antennas	1	
<b>Peripheral Interface</b>		
Serial	2×RS-232 + 2×RS-485 serial port, 10-pin 2 mm female socket	2 × RS-232, DB9 male connector
Ethernet	1 × 10/100 Mbps, Ethernet	
USB	USB 2.0 × 4, OTG × 1	
Display	HDMI 2.0 × 1	
<b>Display Performance</b>		
Liquid Crystal	LED Display Screen	
Screen Size	10.1 inch	13.3 inch
Resolution	1280 × 800	1920 × 1080
Brightness	250cd/m2	
<b>Contact Performance</b>		
Transmittance	≥85%	
Glass Material	Tempering glass	
Max Touch Points	Simultaneous 10-Point Touch	
<b>Software</b>		
Operating System	Android T1/Linux	
Video code	H.265/H.264/VP9 4K@60fpsHD video decoding, H.265/H.264/VP9 1080P@100fpsHD video decoding	
Image processing	BMP, JPG, PNG, GIF	
<b>Power Supply and Consumption</b>		
Connector	DC socket	
Voltage Input	12V DC	
Power Consumption	Less than 15W (only system)	Less than 18W (only system)
<b>Others</b>		
Reset Button	Yes	
LED Indicators	3 indicators for PWR, SYS, 4G	
Hardware Watchdog	Yes	

# Specification

Physical Characteristics	Q6101	Q6133
Ingress Protection	IP30	
Housing	Metal	
Dimension	256×170×36.3 mm	325.2×196.8×39.4mm
Installations	Wall-mounting	
Operating Temperature	0 ~ +50 °C	
Storage Temperature	-20 ~ +70 °C	
Relative Humidity	5 ~ 95%	

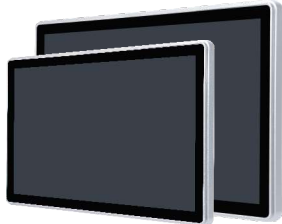




# Appearance



## Ordering info

Model	4G Modem	WLAN	RJ45	RS232/485	USB	Regions
Q6101-EU	LTE-FDD: B1/B3/B5/B7/B8/B20 LTE-TDD: B38/B40/B41 UMTS/HSDPA/HSUPA/HSPA+: B1/B5/B8 GSM/GPRS/EDGE: 900/1800MHz	802.11b/g/n, 150Mbps	1×10/100 Mbps	2×RS-232+2×RS-485	4×USB 2.0, 1×OTG	Europe, Asia, Africa
Q6101-AFX	LTE-FDD: B2/B4/B5/B12/B13/B14/ B66/B71 WCDMA: B2/B4/B5	802.11b/g/n, 150Mbps	1×10/100 Mbps	2×RS-232+2×RS-485	4×USB 2.0, 1×OTG	North America
Q6101-AUX	LTE-FDD: B1/B2 <sup>9</sup> /B3/B4/B5/B7/ B8/B28 LTE-TDD: B40 WCDMA: B2/B3/B5/B8	802.11b/g/n, 150Mbps	1×10/100 Mbps	2×RS-232+2×RS-485	4×USB 2.0, 1×OTG	South America, Australia, Africa
Q6101-JP	LTE-FDD: B1/B3/B8/B18/B19/B26	802.11b/g/n, 150Mbps	1×10/100 Mbps	2×RS-232+2×RS-485	4×USB 2.0, 1×OTG	Japan
Q6133-EU	LTE-FDD: B1/B3/B5/B7/B8/B20 LTE-TDD: B38/B40/B41 UMTS/HSDPA/HSUPA/HSPA+: B1/B5/B8 GSM/GPRS/EDGE: 900/1800MHz	802.11b/g/n, 150Mbps	1×10/100 Mbps	2×RS-232	4×USB 2.0, 1×OTG	Europe, Asia, Africa
Q6133-AFX	LTE-FDD: B2/B4/B5/B12/B13/B14/ B66/B71 WCDMA: B2/B4/B5	802.11b/g/n, 150Mbps	1×10/100 Mbps	2×RS-232	4×USB 2.0, 1×OTG	North America
Q6133-AUX	LTE-FDD: B1/B2 <sup>9</sup> /B3/B4/B5/B7/ B8/B28 LTE-TDD: B40 WCDMA: B2/B3/B5/B8	802.11b/g/n, 150Mbps	1×10/100 Mbps	2×RS-232	4×USB 2.0, 1×OTG	South America, Australia, Africa
Q6133-JP	LTE-FDD: B1/B3/B8/B18/B19/B26	802.11b/g/n, 150Mbps	1×10/100 Mbps	2×RS-232	4×USB 2.0, 1×OTG	Japan

## Packing list

 <p>Q6101 / Q6133</p>	 <p>Packing Box</p>	 <p>4G/Wi-Fi Vehicle Antenna</p>
	 <p>12V/3A Power Adapter</p>	 <p>RJ45 Cable</p>