

Datasheet/ Industrial Tablet PC

LPC-KR238-W Series

Embedded 6/7/11/12/13 generation platforms

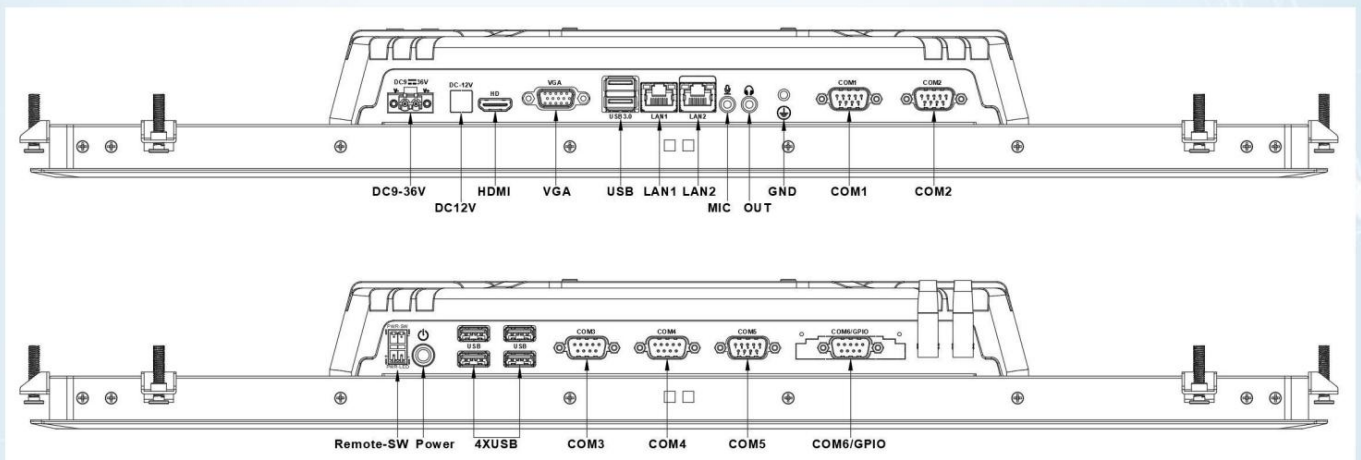


Note: The products shown in the pictures may differ from the actual ones due to different versions and configurations. Please refer to the ordering information to select the appropriate model.

Features:

- Industrial-grade appearance, fully enclosed aluminum back cover, embedded panel, stable and strong, the overall body thickness is about 68mm;
- Made of all-aluminum alloy die-casting, with tempered glass on the surface;
- Adopt industrial-grade TFT16:9 widescreen design with a resolution of 1920*1080;
- The display screen has a capacitive G+G solution, 10-point touch high accuracy, fast response, and optional resistive touch screen;
- Fanless design, dustproof, shockproof and silent;
- Onboard embedded low-power X86 processors of 6/7/11/12/13 generations;
- Different CPU models can be customized to meet customer needs, and touch display solutions are optional;
- Support 2.5-inch hard disk or M.2 KeyM hard disk installation;
- Standard 2 COM (optional 6COM), 2 network ports;
- Two USB 3.0 ports as standard;
- DC12V DC input, can be increased to 9–36V wide voltage input;
- The whole machine has low power consumption, excellent performance, strong environmental adaptability, and can be widely used in machine vision and highways Lane control, mechanical testing equipment, intelligent transportation, smart factory, intelligent power control, CNC equipment manufacturing environmental monitoring, pharmaceutical equipment, wind power monitoring, tire vulcanization, industrial automation control and other industrial field fields.

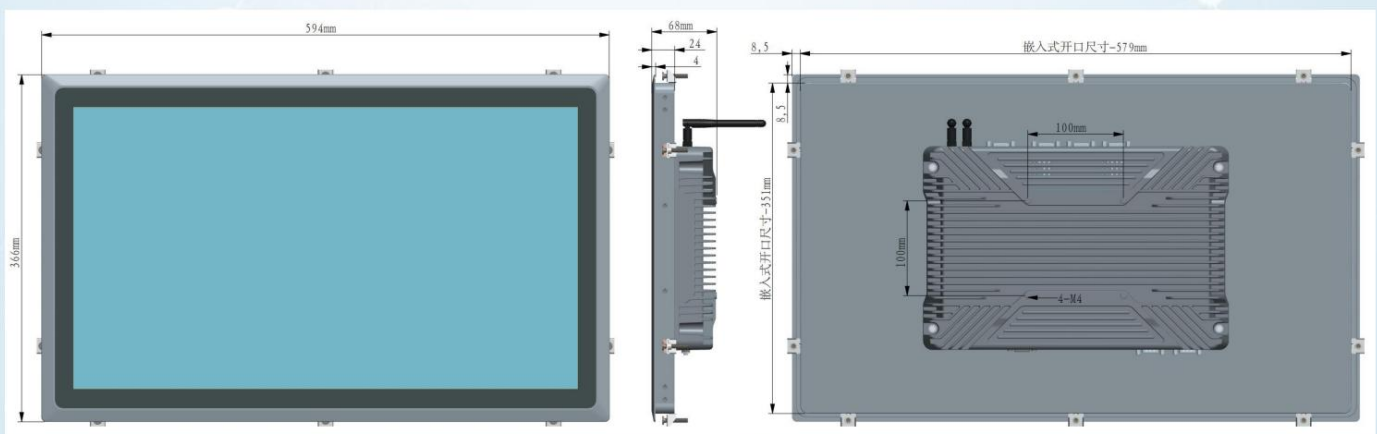
Interface location diagram:



Note: The picture shows the location of the product interface, which may differ from the actual one due to different versions and configurations.

Please refer to the ordering information to select the appropriate model.

Product size chart:



Embedded installation opening size: length 579mm x width 351 mm

Product Specifications

System Configuration

processor	Intel low power embedded 6/7/11/12/13 generation CPU		
Chipset	Intel® Embedded 6/7/11/12/13 Generation SOC		
Memory	4G/8G/16G (the specific memory configuration of the whole machine is subject to the actual configuration)		
Display Interface	1*HDMI interface 1*VGA interface		
IO Interface	1*DC12V (optional 9-36V wide voltage input) / 1*HDMI / 1*VGA / 2*Gigabit LAN / 2*COM (can be increased to 6COM)		
	6*USB ports/ 1*MIC 1*OUT audio/ 1*power switch/ 1*Remote-SW-remote switch		
Memory	Provides 1 M.2 M Key 2280 (NVME PCIeX4/SATA SSD adaptive) slot, or 1 2.5-inch hard drive installation position (configuration is subject to actual configuration)		
LCD	TFT-LCD-23.8 inches: 1920*1080 resolution; MTBF: 50000 hours, brightness 500cd/m2 optional		
touchscreen	Capacitive G+G touch solution/10-point touch, response time <8ms, touch accuracy ± 2mm , theoretically unlimited number of touches		
Extension interface	1* M.2 KeyE 2230 slot (supports WIFI+Bluetooth module), optional GPIO*1 (10PIN) (configuration is subject to actual configuration)		
Chassis parameters	Features: Aluminum alloy high-strength frame and cover	Material: High-quality aluminum alloy + steel plate Thermal design: Fanless passive heat dissipation	
Operating humidity	10% - 95% @40°C non-condensing	Work Environment	-10°C~ 60°C (-4°F~149°F)
Storage environment	-40°C~ 80°C (-40°F~176°F)	power supply	DC12V input . Can be expanded to 9~36V wide voltage input
Installation	Embedded / Wall Mount / Desktop Bracket	Dimensions (W*H*D)	TBD mm (naked)
Weight(kg)	Net weight ± 1.0 KG / Gross weight ± 1.2 KG	operating system	6th/7th generation: Windows 7/10/11/Linux
Boot method	Switch start, support automatic start when incoming call		11/12/13 generation: Windows 11/Linux

Ordering Information

model

describe

23.8-inch series			
	LPC-KR238-W-O-J6412		
	LPC-KR238-W-O-6200U		
	LPC-KR238-W-O-6500U		
	LPC-KR238-W-O-7200U		
	LPC-KR238-W-O-7500U		
	LPC-KR238	-W-O-1235U	
	LPC-KR238	-W-O-1335U	

Product model naming rules

- (1) "LPC" represents product line type;
- (2) "-KR238" refers to screen parameters: the last three digits are screen size, 238 represents 23.8 inches, the first digit F represents square screen, K represents wide screen; the second digit R represents capacitive touch, Z represents resistive touch
- (3) "-W" refers to the front frame slotting method, -W is external embedded, -N is internal embedded;
- (4) "-O" refers to the rear bulge method. -O is a fully enclosed aluminum alloy bulge, and -C is a sheet metal bulge with heat dissipation holes;
- (5) "-XXXX" represents the onboard CPU model;
- (6) Reserved for the selection of memory, hard disk, and power adapter.

packing list

name	quantity	name	quantity
Naked Machine	1	12V Adapter	1
Power cord	1	Screw Pack	1
Mounting ears	10	Hard disk bracket	1(Optional)