Datasheet/ Industrial Panel PC

LPC-KR156-W Series   Integrated Intel 6/7/11/12/13/14th Gen Processors

Windows 10

Features:

◆ Industrial class appearance, fully enclosed aluminum back cover,External embedded panel, stable and strong, the overall body thickness is about 56.5mm;

◆ Made of all-aluminum alloy die-casting, with tempered glass on the surface;

◆ Adopt Industrial class 6:9 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;

◆ Integrated Intel 6/7/11/12/13/14th Gen low power processors;

◆ Different CPU models can be customized to suit customer needs, and touch display solutions are optional;

◆ Support 2.5-inch hard disk or M.2 Key M SSD installation;

◆ Standard 2 COM (optional 6COM), 1 x RJ45 ethernet port(optional 2xRJ45);

◆ Standard 2 USB 3.0 ports;

◆ DC12V input, Upgradable to 9~36V wide voltage input;

◆ The whole machine has low power consumption, excellent performance, and strong environmental adaptability. It can be widely used in machine vision, highway lane control, mechanical testing equipment, intelligent transportation, smart factories, intelligent power control,CNC equipment manufacturing environmental monitoring, pharmaceutical equipment, wind power monitoring, tire vulcanization, industrial automation control and other industrial fields.
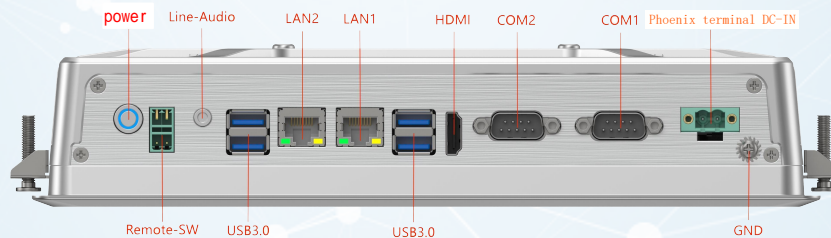
Note: The products shown in the pictures may differ from the actual ones due to different versions and configurations.

Please refer to the ordering information to select the appropriate model!
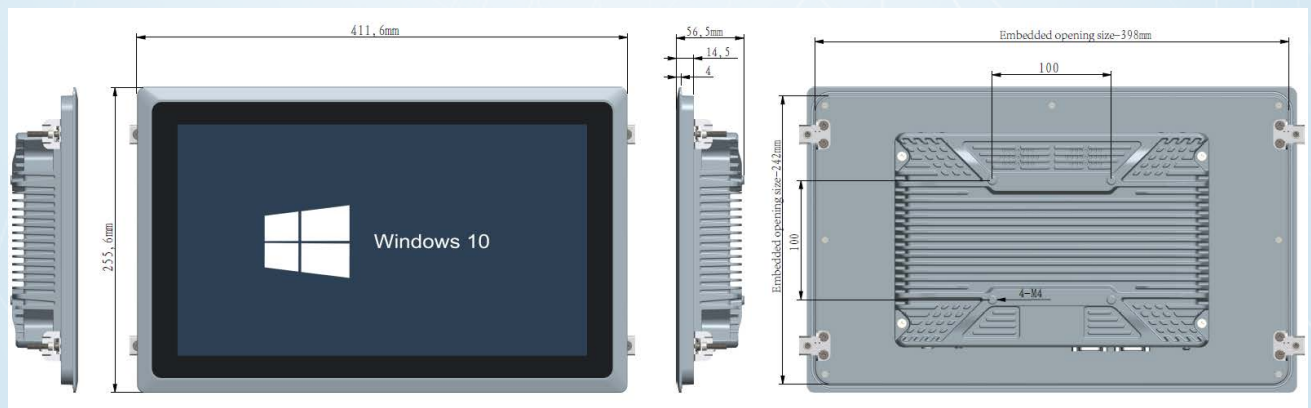
Interface location diagram:

pover   Line-Audio   LAN2   LAN1   HDMI   COM2   COM1   Phoenix terminal DC-IN

Remote-SW   USB3.0   USB3.0   GND

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 diagram:

411,6mm

56,5mm
14,5
4

Embedded opening size-398mm
100

255,6mm

Embedded opening size-242mm
100

Windows 10

4-M4

Embedded installation opening size: length 398mm x width242mm

Specifications

Processor	Integrated Intel 6/7/11/12/13/14th Gen mobile CPU
Chipset	SOC
RAM	4G/8G/16G (Configurable and SKU dependent)

Display Interface	1*HDMI interface
IO Interface	1*HDMI / 2*USB3.0 / 2*Gigabit LAN / 2*COM(can be increased to 6COM) / 1*power switch
	1*2-in-1 audio interface / 1*2PIN Phoenix power input socket / 1*Remote-SW-remote switch
Hard drive	Provides 1*M.2 M Key 2280(NVME PCIeX4/SATA SSD adaptive)slot,or 1*2.5'' hard drive installation slot
LCD	15.6 inches: 1920*1024 resolution; MTBF: 50000 hours, brightness 300cd/m optional
Touchscreen	Capacitive G+G touch solution/10-point touch, response time<8ms, touch accuracy ≦2mm, Resistive touch optional.
Extension	1* M.2 KeyE 2230 slot (supports WIFI+Bluetooth module), optional GPIO*1 (10PIN)

Chassis Parameters	Features: Aluminum alloy high-strength frame and cover		Thermal design: fanless passive cooling
Operating Humidity	10% – 95% @40℃ non-condensing	Work Environment	−10℃~ 60℃ (−4°F~149°F)
Storage Environment	−40℃~ 80℃ (−40°F~176°F)	Power	DC12V input, Upgradable to 9~36V wide voltage input
Installation	Embedded / Wall Mount / Desktop Bracket	Size(W*H*D)	TBD mm(Naked)
Weight (kg)	net weight ≈ 4.5 KG / gross weight≈ 5.0 KG	Operating ystem	6/7th Gen: Windows7/10/11/Linux
Boot method	Switch start, support automatic start when incoming call		11/12/13/14th Gen：Windows11/Linux

Ordering Information

Model	Description
	15.6-inch series
	LPC–KR156–W–O–N5095
	LPC–KR156–W–O–J6412
	LPC–KR156–W–O–6500U
	LPC–KR156–W–O–7200U
	LPC–KR156–W–O–1235U
	LPC–KR156–W–O–1335U

Product model naming rules

1 "LPC" indicates product line types;

2 "-KR156" indicates screen parameters, The last three digits are the screen size, 156 stands for 15.6 inches. The first digit K means wide screen, while F means square screen. The second digit R means capacitive touch, while Z means 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, -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	4		Hard disk bracket	1(optional)