

Datasheet/Industrial Tablet

LPC-FR190-W Series

Embedded 6/7/11/12/13 Generation Platform



Note: The picture shows that the product is different from the actual machine and configuration. Please refer to the order information to select the appropriate model.

Product features:

Industrial-grade appearance, fully enclosed aluminum back cover, embedded panel, stable and strong, the overall body thickness is about 66.5mm; All aluminum alloy die-casting molding, surface tempered glass;

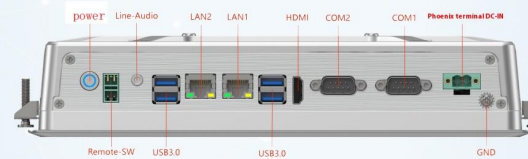
Using industrial grade 4:3 positive screen design, resolution of 1280*1024;

The display screen has a capacitive G G scheme, high 10-point touch accuracy, fast response, optional resistive touch screen; fanless design, dustproof, shockproof, and silent;

On-board embedded 6/7/11/12/13 generation and other embedded low-power X86 processors; Different CPU models can be customized to meet customer requirements, and the touch display scheme is optional. Support 2.5 inch hard disk or M.2 KeyM hard disk installation; Standard 2 COM (optional 6 COM), 2 network ports; Standard 2 USB3.0 interfaces;

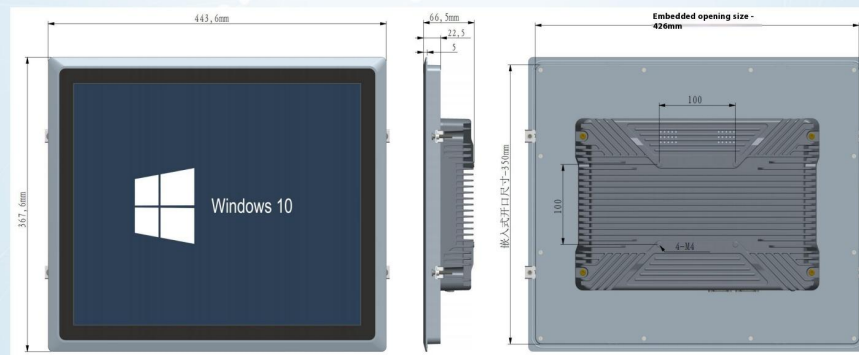
DC12V DC input, can be added to 9~36V wide voltage input; The whole machine has low power consumption, excellent performance and strong environmental adaptability. It can be widely used in machine vision, highway lane control, mechanical testing equipment, intelligent transportation, intelligent factory, intelligent power control, numerical control 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. Due to the difference between the version and configuration and the actual situation, please refer to the ordering information to select the appropriate model!

Product size chart:



Embedded installation opening size: 426mmX long 350mm wide

Product Specifications

System Configuration

Processor	Intel Low Power Consumption Embedded 6/7/11/12/13 Generation CPU Intel Embedded 6/7/11/12/13 Generation SOC 4G/8G/16G (the specific configuration memory of the whole machine shall be subject to the actual configuration)
Chipset	
Memory	

Display Interface	1 * HDMI interface
IO interface	Switch plane interface 1 * HDMI/2 * USB3.0/2 * dry megalAN/2 * COM (can be added to 6COM)/1 * power switch 1*2-in -1 audio interface/1 * 2PIN phoenix power input socket/1 * Remote-SW-remote switch

Memory	Provide 1 M.2MKey2280(NVMEPCIeX4/SATASSD adaptive) slot, or 1 2.5-inch hard disk installation position 19 inch: 1280*1024 resolution; MTBF:50000 hours, brightness 350cd/m optional
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Touch Screen	Capacitive G + G touch scheme/10-point touch, response time <8ms, touch accuracy ≤ 2mm, theoretically unlimited touch times 1 * M.2KeyE2230 slot (WIFI + Bluetooth module supported), optional GPIO * 1(10PIN)
Extended interface	

Chassis Parameters	Features: aluminum alloy high-strength frame and cover	Material: high quality aluminum alloy + steel plate	Thermal design: fanless passive heat dissipation
Working humidity	10%-95% @ 40 °C non-condensing	Working 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 added to 9~36V wide voltage input TBD mm (bare metal)
Installation method	Embedded/wall mount/desktop stand	Dimensions (W * H * D)	
Weight (kg)	Net weight ~ 5.8KG/gross weight ~ 6.8 KG switch start, support call self-start	Operating system	6/7 Generation: Windows7/10/11/Linux 11/12/13 Generation: Windows11/Linux
Boot mode			

Ordering Information

Model	Description
	19 inch series
	LPC-FR190-W-O-N5095
	LPC-FR190-W-O-J6412
	LPC-FR190-W-O-6500U
	LPC-FR190-W-O-7200U
	LPC-FR190-W-O-1235U
	LPC-FR190-W-O-1335U

Product model naming rules

(1) "LPC" stands for Product Line Category;
 (2) "FR190" refers to the screen reference: the last three digits are the screen size, 190 represents 19 inches, the first digit is the square screen, and k is the wide screen; the second R is capacitive touch, and 2 is resistive touch;
 (3) "-W" refers to the slotting method of the front frame, -W is the external embedding type, and -N is the internal embedding type; (4) "-O" refers to the rear bulge, -O is the fully enclosed aluminum alloy bulge, and -C is the sheet metal bulge with heat dissipation holes; (5) "-XXXX" represents the onboard CPU model; (6) Reserved for the selection and use of memory, hard disk and power adapter.

Packing list

Name	Quantity	Name	Quantity
Bare Metal	1	12V adapter	1
Power cord	1	Screw Pack	1
Hanging Ear	8	Hard Drive Bracket	1 (optional)

Intelligent IOT Industrial Control Board

Intelligent Internet of Things Machine

Industrial Tablet PC

Industrial flat panel display