

LXS-FR121-W series

Realtek RTD2525BE-CG chip



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

Features:

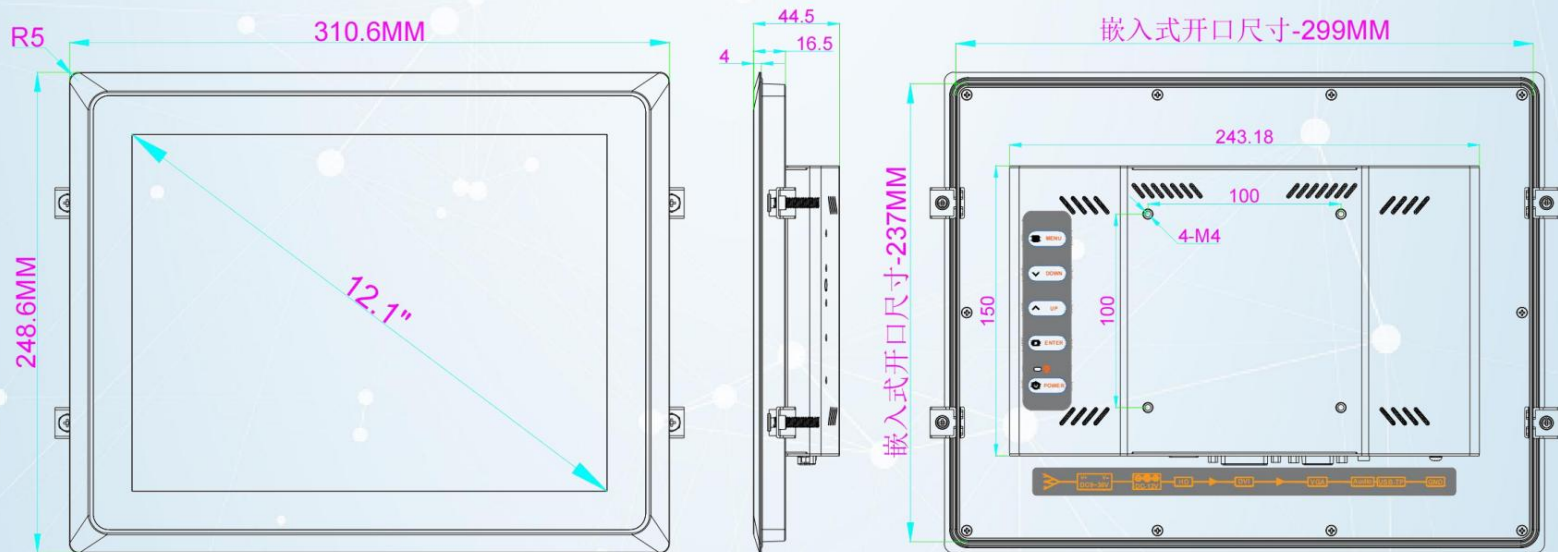
- Industrial-grade appearance, fully enclosed aluminum back cover, embedded panel, sturdy and robust, overall body thickness approximately 44.5mm;
 - All aluminum alloy die-casting, with tempered glass surface;
 - Adopts industrial-grade 4:3 aspect ratio screen design with a resolution of 1024*768;
 - The display screen features a capacitive G+G solution, providing high 10-point touch accuracy and rapid response;
 - Fanless design, dustproof, shockproof, and quiet;
 - Onboard embedded Realtek RTD2525BE-CG low-power processing chip;
 - Industrial displays provide stable and reliable signal conversion, suitable for harsh working environments;
 - Ecosystem compatibility: Compatible with Windows, Linux, and Android systems, and supports mainstream display panel drivers.
 - DC 12V input, expandable to 9~36V wide voltage input;
 - The machine boasts low power consumption, excellent performance, and strong environmental adaptability, making it widely applicable in machine vision, highways, and other fields.
- Lane control, mechanical testing equipment, intelligent transportation, smart factories, intelligent power control, CNC equipment manufacturing environment
- Industrial applications include monitoring, pharmaceutical equipment, wind power monitoring, tire vulcanization, and industrial automation control.

Interface location diagram:



Note: The image shows the product interface location. Due to different versions and configurations, the actual product may vary. Please refer to the ordering information to select the appropriate model

Product dimension diagram:



Embedded mounting opening dimensions: 299mm (L) x 237mm (W)

Product Specifications

System Configuration

processor	Realtek RTD2525BE-CG Low Power Processing Chip	
Chipset	Realtek RTD2525BE-CG	
Display interface 1 * HDMI interface 1 * VGA interface 1 * DVI interface		
IO interface	1 HDMI port, 1 VGA port, 1 DVI port, 1 USB-TP port, 1 Audio input, 1 DC 12V (optional 24V input)	
	(Optional wide voltage) 1*Phoenix terminal 9V~36V power input	
LCD	12.1-inch: 1024*768 resolution; MTBF: 50,000 hours, brightness 300 cd/m² optional.	
touchscreen	Capacitive G+G touch solution/10-point touch, response time <8ms, touch accuracy γ 2mm, theoretically unlimited touch count.	
Expansion Interface 1 * Phoenix Terminal 9V~36V Power Input		
Chassis specifications: High-strength aluminum alloy frame and cover.		Material: High-quality aluminum alloy + galvanized steel plate; Thermal design: Fanless passive cooling.
Operating humidity 10% - 95% @ 40°C, non-condensing.	Work environment	-10yC~60yC (-4yF~149yF)
Storage environment : -40°C to 80°C (-40°F to 176°F)	power supply	DC12V-3A input, expandable to 9~36V wide voltage input.
Installation methods: Recessed/Wall-mounted/Desktop stand	Dimensions (W*H*D)	TBD mm (naked machine)
Weight (kg): Net weight γ 2.1 KG / Gross weight γ 2.6 KG	operating system	Display input
Power-on method: switch on/off; supports automatic restart upon incoming call.		

Ordering Information

model	describe
12.1-inch monitor series	
LXS-FR121-W-C	

Product Model Naming Rules

(1) "LXS" represents the product line type;
(2) ~FR121" refers to the screen parameters: the last three digits are the screen size, 121 represents 12.1 inches, the first digit F is a square screen, K is a wide screen; the second digit R is capacitive touch, Z is resistive touch;
(3) ~W" refers to the front frame slotting method, -W is the external type, and -N is the internal type;
(4) ~O" refers to the rear bumper type, "-O" means a fully enclosed aluminum alloy bumper, and "-C" means a sheet metal bumper 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
nude machine	1
Cables: HDMI cable x1, USB-TP cable x1	
Ear loops	6

name	quantity
12V Adapter 1	
Screw package	1
Wall mount bracket 1 (optional)	