

Datasheet/ Intelligent Internet of Things

LN-1005

Fanless BOX-PC



Product Features:

◆ The whole machine is sealed and fanless design to meet the harsh industrial environment.

CPU thermal conductor integrated design, the whole structure of the compact, sturdy, fanless design, chassis using aluminum alloy extrusion, fins shell also used for heat dissipation, with excellent sealing dust, heat dissipation and vibration resistance performance, can meet the pollution in the large, dusty, electromagnetic interference in the serious and other harsh environments such as the use.

◆ LAN, WIFI, 3G, 4G, etc., to meet the needs of different industries.

◆ Integrated Intel® Celeron J6412 2.0GHz quad-core processor, compatible with Intel®.

Elkhart Lake Full Range of CPUs

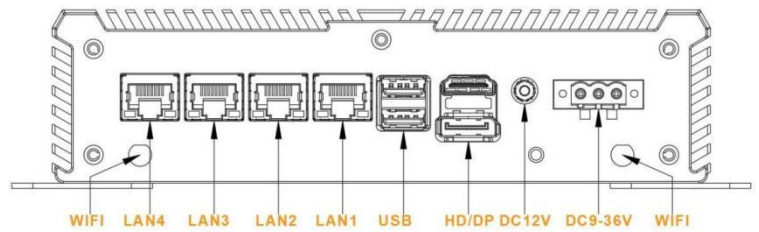
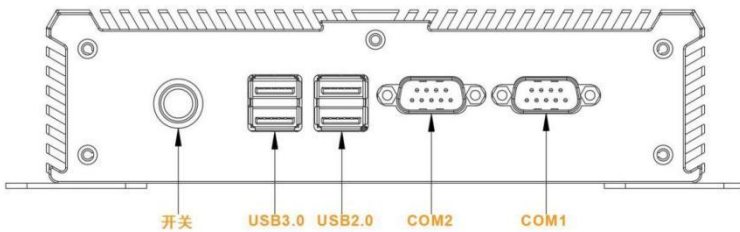
◆ 4 Intel 2.5G network ports.

◆ Support 1 external TPM2.0

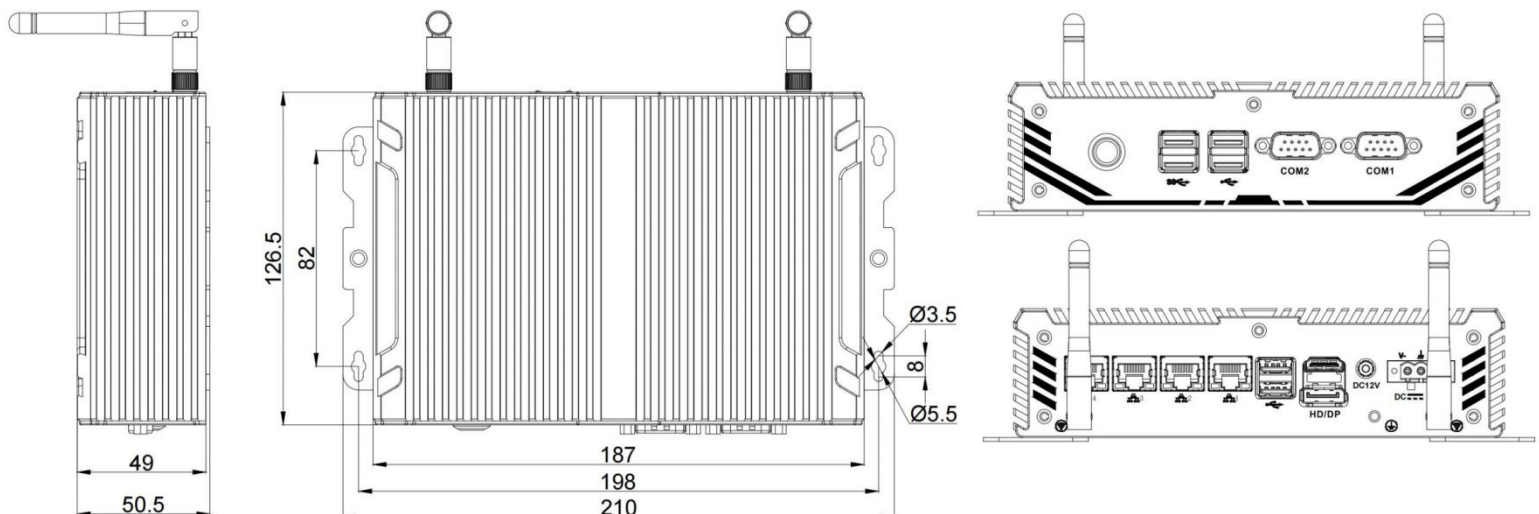
◆ Supports incoming call activation.

◆ DC9V-36V wide voltage input.

Schematic diagram of the interface location:



Product Dimension Drawing:



Product Specification

System Configuration

Processor Onboard Intel® Celeron J6412 2.0GHz Quad-Core Processor, compatible with Intel®

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chipsets	Intel® (Intel®)
random access memory (RAM)	1*DDR4 3200MHz SO-DIMM, total maximum 62GB (the specific memory configuration of the whole machine is subject to the actual configuration)
display interface	1*HDMI2.0 / 1*DP
IO interface	Switchface Interface 1* Power Switch / 4*USB / 2*COM Rear IO surface interface 4* LAN port / 2* USB3.0 / 1* HDMI / 1* DP / 1* DC / 1* 9V-36V Phoenix terminal (3pin)
memory (unit)	1 M.2 Key-M 2280 , sata protocol / 1 SATA3.0 (the specific configuration of the entire machine memory to the actual allocation))
Extended Interface	1 MiniPCIe slot for WIFI/3G/4G devices / 1*8-bit GPIO / 1*TPM2.0

Chassis parameters Characteristics: Aluminum alloy high-strength heat dissipation profiles Material: high-quality high-efficiency heat dissipation aluminum alloy Thermal design: fanless passive heat dissipation

Operating 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 / DC9-36V Wide Voltage Inputs
Installation	Recessed / Wall / Desktop Bracket	Dimensions (W*H*D)	TBD mm (naked) 198*126.5*50.5mm
Weight (kg)	Net weight ≈ 1.1KG / Gross weight ≈ 1.6KG	operating system	Windows 10/ Windows 11/ Linux
Start-up mode	Switch activation, supports self-start on incoming calls		

Ordering Information

Model Number Description

BOX Fanless Series

LN-1005-J6412
LN-1005-J4125
LN-1005-N100

Packing List

Name Quantity

Underexposed machine 1

power cable (of an appliance etc)	1
Mounting Bracket	1 (optional VESA mount)

Name Quantity

12V Adapter 1

screwdriver	1
Hard Disk Bracket	1 (Optional)