

ARP-YPC-121ZD03

12.1 Inch Fanless Cooling Industrial Panel PC

Intel® Core 7th/10th/12th Gen/J6412/N97



Product Features

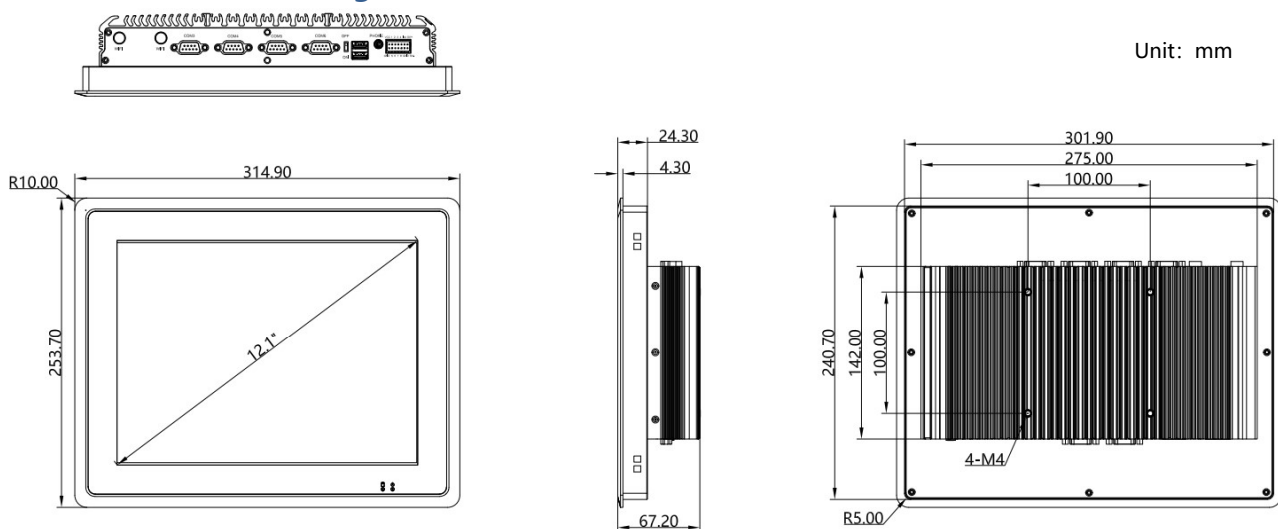
- Industrial-grade 12.1-inch LCD display
- Projected capacitive Touch screen, 10-point touch
- Intel® Core 7th/10th/12th generation/J6412/N97 processor
- Dual Gigabit Ethernet ports, supporting network wake-up and PXE functionality
- 6*COM ports, with COM1/COM2 supporting optional RS232/RS485
- 4*USB 3.0, 2*USB 2.0
- 8*GPIO (provides digital input and output)
- 1*power-on auto-start switch (manual toggle)
- 1*CMOS Clear button (can clear BIOS settings and restore to factory default state)
- DC 12V input, optional DC 9-36V wide-voltage input, supports power-on boot
- Supports Windows 10/Windows 11 and Linux systems
- Compact fanless design, featuring a durable aluminum alloy housing and IP65-rated front panel

Product Parameters>

model	ARP-YPC-121ZD03				
system	CPU	Intel® Core 7th Generation i3/i5/i7	Intel® Core 10th Generation i3/i5/i7	Intel® Core 12th Generation i3/i5/i7	Intel® Celeron J6412 / Intel® Alder Lake_ N97
	Memory	1*SODIMM memory slot, supports DDR3L/DDR3, maximum support 32GB	2*SODIMM memory slots, support DDR4 dual-channel memory, maximum support 64GB	2*SODIMM memory slots, support DDR4 dual-channel memory, maximum support 64GB	1*SODIMM memory slot, supports DDR4, maximum support 32GB
	storage	1* M.2 2280 Key-M slot (supports SATA SSD and NVME SSD adaptive) 1* SATA (supports 2.5-inch hard disk)	1* M.2 2280 Key-M slot (supports SATA SSD and NVME SSD adaptive) 1* SATA (supports 2.5-inch hard disk)	1* M.2 2280 Key-M slot (supports SATA SSD, customizable NVME SSD) 1* SATA (supports 2.5-inch hard disk)	1* M.2 2280 Key-M slot (supports SATA SSD) 1* SATA (supports 2.5-inch hard disk)
	Network (LAN)	2 *RTL8111H Gigabit electrical ports, support network wake-up/PXE			
	I/O Interface	1*power switch 1 * power indicator, 1 * hard disk indicator 1*HDMI 4*USB3.0, 2*USB2.0 2*LAN 6 * COM (COM1/COM2 optional RS232/RS485, COM3-COM6 RS232) 8*GPIO (providing digital input and output) + SW (start button external interface) 1*audio two-in-one interface 1*Power-on automatic start switch (manual toggle) 1*CMOS Clear button (can clear BIOS settings and restore to factory default state) 1* 2pin Phoenix terminal, supports 12V voltage input, optional 9-36V wide voltage input			
	Extensions	1*M.2 2230 Key-E slot, supports WIFI/BT module 1*Mini-PCIE slot, supports WIFI / 4G module			
	Watchdog	255 levels of programmable seconds/minutes, supporting timeout interrupt or system reset			
	speaker	2*8Ω 2w			

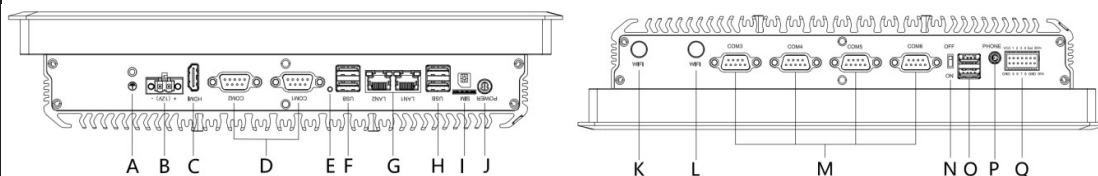
operating system	operating system	Microsoft® Windows10 , Win dows 11 , Linux
LCD screen	type	12.1-inch industrial-grade LCD display (LED backlight)
	Resolution	1024 * 768
	Viewing angle	89/89/89/89 (Typ.)(CR≥10)
	brightness	350nits
	Contrast	1200:1
	Backlight life	30000hr (min.)
Touch screen	type	Projected capacitive touch , 10-point touch
	Control method	USB interface
	Light transmittance	More than 80%
environment	Operating	-5 °C ~ 60 °C
	Storage	-20 °C ~ 75 °C
	relative	5%-95% relative humidity, non-condensing
body	Weight (bare	2.87kg
	Install	Support VESA installation/embedded panel installation

Dimensional Drawing>



Panel opening dimensions:
303.90*242.70mm

I/O View>



- | | | | |
|----------------------------|----------------------|-----------------------|--------------|
| A. GND | F. 2*USB3.0 | K. WIFI | P. PHONE |
| B. DC 12V (9-36V optional) | G. 2*LAN | L. WIFI | Q. GPIO + SW |
| C. HDMI | H. 2*USB3.0 | M. COM3-COM6 | |
| D. COM1/COM2 | I. SIM card holder | N. Power-on automatic | |
| E. CMOS Clear button | J. Pushbutton switch | O. 2*USB2.0 | |

Ordering Information›

No.	Model	Version	CPU	Memory	LAN	COM	HDMI	USB 3.0	USB 2.0	POWER
1	ARP-YPC-121ZD03	7th generation	7th generation i3/i5/i7	1 *SO - DIMM	2 *8111H	6	1	4	2	12V (9-36V optional)
2	ARP-YPC-121ZD03	10th generation	10th generation i3/i5/i7	2 *SO - DIMM	2 *8111H	6	1	4	2	12V (9-36V optional)
3	ARP-YPC-121ZD03	12th generation	12th generation i3/i5/i7	2 *SO - DIMM	2 *8111H	6	1	4	2	12V (9-36V optional)
4	ARP-YPC-121ZD03	J6412	J6412	1 *SO - DIMM	2 *8111H	6	1	4	2	12V (9-36V optional)
5	ARP-YPC-121ZD03	N97	N97	1 *SO - DIMM	2 *8111H	6	1	4	2	12V (9-36V optional)