

VIPAIPC185-ARM-IP65-2ETH/4ETH

■ Arm mounting PC

■ Features

- 18.5" LCD,1920*1080,resolution,Multi-touch,Capacitive Touchscreen
- Full IP65 design
- 2/4*Glan/4*USB3.0/1*HDMI/2*COM
- DC12-24V power input
- Support ARM mounting from TOP side or BOTTOM side
- Fanless and anodized aluminum
- Customer-specific requests for button units,up to 7x Ø22 buttons
- 1x power switch and 1x 2in1 USB 2.0 port at the back side



■ Specification

Product Name		VIPAIPC185-ARM-IP65-2ETH	VIPAIPC185-ARM-IP65-4ETH
LCD	Size	18.5" LCD	
	Resolution ratio	1920*1080	
	White Luminance	350cd/m2	
	MTBF (hour)	30000hrs	
	Contrast Ratio	1200:1	
	Viewing Angle	(L)85 / (R)85 / (T)85 / (B)85	
Mechanical	Dimensions (W x H x D)	480mm x 347mm x 135mm	
	Installation	Swing ARM mounting (Support square tube and Rittal CP 40)	
	Buttons	Default: 1x Emergency button, 1x selection button, 1x red push button, 1x green push button, 1x Key switch (The pushbuttons are from RAFI)	
	Weight	8.3Kg	
System	CPU	CPU Intel® Core10-11th i5/i3/i7 CPU type LGA1200 . Max.35W	
	Memory	2 x 260-pin DDR4 SODIMM, Max support 32GB	
	Storage	1 x 2.5" HDD/SSD + 1 x mSATA	
	Network(LAN)	2 x Intel 1000Mbps Ethernet	4 x Intel 1000Mbps Ethernet
	HDMI	HDMI1.2	
	Serial ports	2 X RS232/485(optional) , 2x 3-pins Phoenix Connector	
Touch Screen	USB	4 x USB3.0/2.0/1.0	
	Touch screen type	Capacitive Touch screen	
	Communication interface	USB	
OS	Transmittance	≥87%	
	OS	Windows 10 IoT 2021 LTSC, Windows 11 IoT 2024 LTSC, Ubuntu, CentOS.	
Power Consumption	Input Voltage	12-24VDC ±10% , Support reverse connection protection, over voltage protection, over current protection 1x 2-pins Phoenix Connector for DC power(internal); 1x Power button with light at the back of housing	
	Idle Power Consumption	Minimum 35W	
Environment	Operating Temperature	0°C ~ 50°C for SSD , 0°C ~ 45°C for HDD	
	Storage Temperature	-20°C ~ 60°C	
	Humidity	5~95% @ 40°C (non-condensing)	
	Vibration	SSD applied: 1.5 Grms, IEC 60068-2-64, random, 5 ~ 500 Hz, 1 hr/axis	
	Shock	Operating 10G peak acceleration (11ms duration), follow IEC 60068-2-27	
	EMC	Class B	
Environment	IP rating	Full IP65	

Technical drawings of the 18.5-inch monitor showing front, side, and rear views with dimensions.

Front View: The monitor has a screen size of 18.5 inches. The overall width is 480 mm, and the width of the bezel is 453.5 mm. The height of the bezel is 287 mm, and the total height is 347 mm. The bottom bezel has a thickness of 60 mm. The bottom bezel features a 2in1 USB2.0 Type A port (48.5 mm wide), two 46 mm wide ports, a 60 mm wide port, and a 48.5 mm wide port. The bottom bezel has a thickness of 30 mm.

Side View: The monitor has a depth of 135 mm.

Rear View: The monitor has a width of 280 mm, with 100 mm on each side of the central panel. The height of the rear panel is 135 mm. The central panel has a height of 258 mm. The rear panel features two 2in1 USB2.0 Type A ports and a Power Button.

A diagram of a computer case showing various ports labeled A through G. The ports are arranged horizontally along the front panel. A is a FireWire port, B is a USB port, C is a FireWire port, D is a USB port, E is a FireWire port, F is a USB port, and G is a FireWire port.

A				
	Pin	Definition	Pin	Definition
	1	TX1/A1	2	GND
	3	RX1/B1	4	TX2/A2
	5	RX2/B2	6	GND

2

■ Button Area



note:

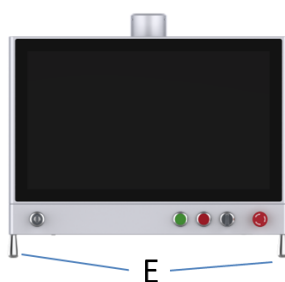
1. Fully configurable according to customer specifications
2. Frontally accessible for subsequent configuration changes and/or additions
3. Hard-wired connection mode
4. The number of elements that can be installed depends on the size of the display
5. Technical Supports: www.vipaitalia.it

■ Ordering Information

P/N	Product name	Description
	VIPAIPC185-ARM-IP65-4ETH	18.5", 1920*1080, 4*GigE lan, 4*USB3.0, 1*HDMI, 2*COM, 12V-24V
	VIPAIPC185-ARM-IP65-4ETH	18.5", 1920*1080, 2*GigE lan, 4*USB3.0, 1*HDMI, 2*COM, 12V-24V

■ Optional Accessories

Option items	Description
CPU	Support 10th/11th generation Intel® Core i3/i5/i7 LGA 1200 socket type processors: Intel® Core i3-10100T, Four Cores, 3.00 GHz, 6 MB Cache TDP 35W; Intel® Core i5-11500T, Six Cores, 1.50 GHz, 12 MB Cache, TDP 35W; Intel® Core i7-11700T, Eight Cores, 1.40 GHz, 16 MB Cache; TDP 35W; Please contact sales to check other request.
UPS	Integrated supercapacitors, around 12 seconds power-off delay (CPU with TDP35W)
Memory	DDR4 4G/8G/16G
Storage	Mini SATA SSD 64G/128G/256G/512G/1TB 2.5" SATA SSD 128GB, 256GB, 512GB, 1TB, 2TB
WiFi Module	WiFi, 7260AN, folded cylinder TR tube
Handles	Oval handle (E)
Keyboard Holder	keyboard holder



holderNote: If the system provides some optional parts, additional certification of system compatibility may be required in some regions/countries, please VIPA Italia for system compatibility.