

# FRONT IP65 MODULAR PANEL PC



12.1" ATEX Rugged Fanless Design Panel PC with Intel Core-i5  
2x Giga LAN, 4x USB 3.2, 1x DP, (C1D2 Certified)  
Compliance with ATEX Grade Zone 2  
Projected Capacitive Multi Touch



## MODEL: WPM1210-i5-C1D2

### FEATURES:

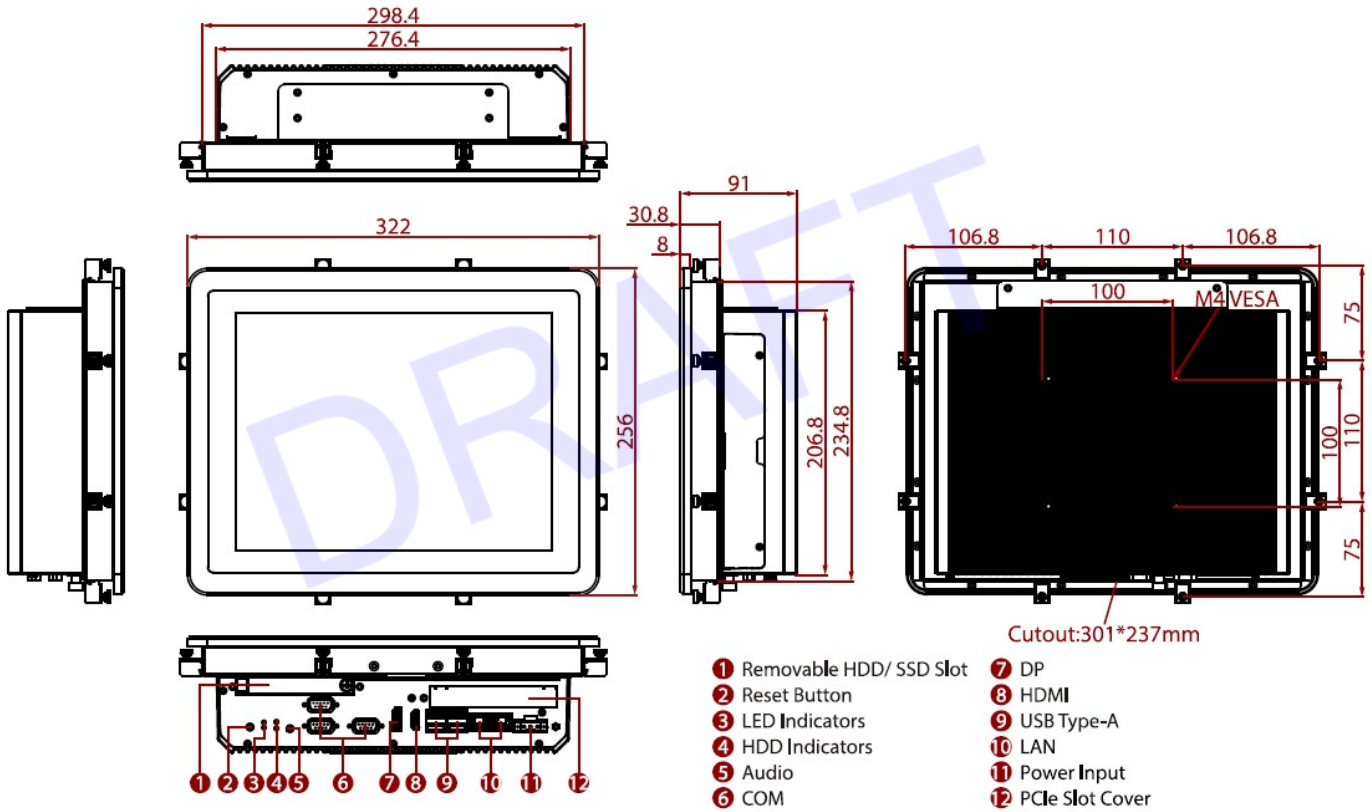
- Powered by Intel 11th Gen Tiger Lake UP3 Core i5 processor for high performance
- Signature true flat display with edge-to-edge design for sleek aesthetics and easy cleaning
- Durable aluminum housing with anti-corrosion treatment
- Front IP65-rated protection against dust and water ingress
- Projected Capacitive Multi-Touch Screen (PCAP) for responsive interaction
- Fanless design ideal for industrial and hazardous environments
- Wide 9~29V DC input range for versatile power support
- Quick and easy removable 2.5" SSD bay slot for fast maintenance
- Supports PCIe x4 card for system expandability
- Certified C1D2 & IECEx, compliant with ATEX Zone 2 for use in hazardous locations

### SPECIFICATIONS

DISPLAY			
Resolution	1024x768	Size	12.1 inches
Contrast Ratio	1000:1	Panel Brightness	500.0 nits
View Angles	89,89,89,89	Active Area	245.76x184.32 mm
Touch / Glass	Projected Capacitive Multi Touch Screen		
SYSTEM SPECIFICATION			
WLAN	Support (Optional)	BT	Support (Optional)
Expansion Port	Modular Design for easy service in the field	Processor	Intel Core i5 1135G7 2.4GHz (up to 4.2GHz)
Memory	2 x SODIMM, DDR4 3200 MHz, 4GB 8GB (Optional) 16GB (Optional) 32GB (Optional)	Storage	1 x M.2 2280 NVMe SSD, 128GB up to 512GB 1 x 2.5" Removable 256GB SSD up to 512GB (Optional)
Ethernet controller	Intel® Ethernet Controller I211AT + Intel® Ethernet Connection I219LM	Security	Trusted Platform Module (TPM) 2.0
Operating System	Windows 11 IoT Enterprise (64 bit) (Optional) Windows 11 Pro 64 bit (Optional) Linux Ubuntu 22.04(Do not support Wake on Touch) (Optional)		
MECHANICAL			
Dimension	322 x 256 x 91 mm	Weight	5.4kg
Mounting	Panel mount VESA Mount	Enclosure	Metal Housing
Cooling System	Fanless Design	Cut out	301 x 237 mm
ENVIRONMENT			
Operating Humidity	10% to 90% RH, Non-Condensing	Operating Temperature	-20°C to 60°C
Storage Temperature	-20°C to 60°C		
CERTIFICATION			
Certification	CE, FCC Class 1, Division 2, Group A, B, C, D, T5 IECEx Ex ec IIC T4 Gc Compliance with ATEX grade zone 2		
IO PORTS			
Power Input	1 x 9~29V DC, 3Pin Terminal Block	USB Port	4 x USB 3.2 Gen.1 (TypeA)
Serial Port	2 x RS232/422/485 (Default RS232) 1 x RS232	Video	1 x DP1.4 1 x HDMI 2.0 (Optional)
Audio	1 x Audio Combo Connector (Mic in / Line Out)	Expansion Port	1 x mPCIe slot 1 x PCIe x16 slot (x4 signal)(module max size:180x121mm) 1 x M.2 2230 Key E slot for WiFi 1 x M.2 2280 Key M slot for NVMe SSD Swappable 2.5" HDD/SSD Bay Slot
LAN	2 x Giga LAN RJ45 Connector	Indicator	1 x LED Indicator for storage
CONTROL			
Button	1 x Power Button with LED Indicator 1 x Reset Button		
ACCESSORIES			
Accessories	100~240V AC to DC Adapter Power Cord Open Wire Cable with terminal block connector Mounting clips VESA screws		
POWER			
Power Rating	9V~29V DC with protection fuse	Adapter	12V 120W
Consumption	45W~55W		

# MECHANICAL DRAWING

This is subject to change without Notice. Final Drawings Will be Provided for Approval after Order.



**NOTE:**

1. This is a simplified drawing and some components are not marked in detail.
2. The product shown in this datasheet is a standard model. For diagrams that contain customized or optional I/O, please contact the iTech Sales Team for more information.
3. All specifications are subject to change without prior notice. information.

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