

21.5" Industrial Panel PC with Intel® Meteor Lake Core™ Ultra 5 125H/U Processor

Overview

The DPC-1210 is a high-performance fanless touch Panel PC designed for the growing demands of AIoT and smart environments, where real-time data analytics and AI edge inference are increasingly essential. Powered by the Intel® Meteor Lake Core™ Ultra 5 125U/125H processor with a built-in NPU delivering up to 34 TOPS AI performance, it efficiently handles local AI workloads while reducing CPU load and power consumption. With versatile Panel/VESA/yokey mounting options and support for Windows 10/11 and Ubuntu, the DPC-1210 is ideal for factory automation, intelligent recognition, HMI, and self-service AI terminals.

Features

- 21.5" LED-backlit LCD with projected capacitive touch screen
- AG glass surface treatment
- Rugged aluminum enclosure and fanless design
- Intel® Meteor Lake Core™ Ultra 5 processor
- Built-in NPU with up to 34 TOPS AI performance
- DC 9–36V power input
- Panel mount, VESA mount, and yoke mount installation options
- IP65 compliant front panel



I/O Interfaces



Specifications

Display		
Size	21.5 inch	
Touch Type	Projected capacitive multi touch	
Transmittance	87% (capacitive)	
Control Interface	USB	
Surface Hardness	≥7H	
Resolution	1920 x 1080	
Luminance	450 nits	
Contrast Ratio	1000: 1	
View Angles	85 (left), 85 (right), 85 (up), 85 (down)	
LED Lifetime	50,000 hrs	
Color	16.7M	
System		
CPU	Intel® Meteor Lake Core™ Ultra 5 125U 4.3GHz 12-core 14-thread processor, TDP 15W	Intel® Meteor Lake Core™ Ultra 5 125H 4.5GHz 14-core 18-thread processor, TDP 28W
Memory	2x DDR5 5600 SO-DIMM (up to 64GB)	
Storage	2x 2.5" SATA3.0 HDD/SSD with RAID 1 support (Optional) 1x M.2 slot, supporting M.2 2280 NVME PCIe x4 standard SSD	
BIOS	128Mb Flash ROM	
TPM	1x TPM interface, ESPI specification, 2x 6pin	
Watchdog Timer	Supports hardware reset function (256 levels, 0~255 seconds)	
I/O Ports		
USB	4x USB 3.0	
Serial	2x COM (COM1: RS-232; COM2: RS-232, 422/485 optional)	
Ethernet	2x GbE LAN	
Display	1x HDMI 1.4, 1x DP 1.2	
Antenna	2x SMA antenna holes	
Expansion Slot		
M.2	1x M.2 slot, supporting M.2 Key E 2230 Wi-Fi module	
RF Communication		
Wi-Fi	M.2 (Optional)	
Cellular	Mini PCIe expansion (Optional)	
Bluetooth	M.2 (Optional)	
Audio		
Audio	Mic in, line out	
Speaker	4Ω3W speaker	
Power		
Button	1 x Power button	
Remote Power On/Off	1 x Remote switch	
DC Input	9 to 36VDC	
Power Connector	2 pin Phoenix head	
Power Consumption	35W	
Power Adaptor	AC-DC, 24V@5A, 120W	
Operating System		
OS	Windows 10, Windows 11, Ubuntu	
Mechanical		
Dimensions (W x D x H)	528.4x 326.2x 93 mm (20.8 x12.8 x 3.6 inches)	
Weight (N.W.)	7.8 kg (17.2 lbs)	
Mounting	Panel mount, wall mount bracket VESA 100	
Material	Aluminum alloy panel, all-metal chassis	

Environment	
Operating Temperature	-10 to 50°C (14 to 122°F)
Storage Temperature	-20 to 60°C (-4 to 140°F)
Relative Humidity	10% to 95% @ 40°C (104°F), non-condensing
Vibration	5-500Hz, 0.026 G ² /Hz, 2.16 Grms, X, Y, Z, 1 hour per axis
IP Rating	IP65 compliant (for front panel)
Certification	
EMC	CE, FCC
Packing List	
Packing	1x DPC-1210 12x Panel mounting buckles 1x Warranty card

Dimensions

