

P2296G-MT



Fanless 21.5" Wide Screen Industrial Panel PC with Intel 8th Gen. Whiskey Lake CPU



Features

- **with the 8th Gen. Intel Whiskey Lake-U CPU**
- 21.5" 1920 x 1080 FHD LCD Display w/ LED Backlight
- **Flat panel with projected capacitive touchscreen, 10 points Multi**
- Front panel compliant with IP65
- Anti-scratch surface: 7H hardness
- Serial Ports (RS-232/422/485), w/ Auto-flow Control
- Mini PCIe expansion slot support
- Fanless cooling system
- Low power consumption
- 12~24V Wide-Range DC Input
- **TPM 2.0 Header**

System

CPU	Intel® Core i5-8265U™ CPU 1.6 - 3.9GHz, 6MB Intel® Core i3-8145U™ CPU 2.1 - 3.9GHz, 4MB
-----	--

Memory	1 x DDR4L SO-DIMM Socket, supporting 2400 MHz SDRAM up to 16GB
--------	---

LAN	1 x Intel® I211AT 1x 219V GbE controllers
-----	---

Watchdog Timer	1~255 levels reset
----------------	--------------------

Storage

1st Device	2 x 2.5" drive bay, Raid 0,1,5
------------	--------------------------------

2nd Device	SATA, M.2 M, M.2 E, mPCIe
------------	---------------------------

Audio

Speaker	No
---------	----

LCD Display

Size/Type	21.5" TFT LCD Panel
-----------	---------------------

Max. Resolution	1920 x 1080, FHD
------------------------	-------------------------

Max. Colors	16.2M
-------------	-------

Luminance	300 cd/m ²
-----------	-----------------------

Touch Screen	Projected capacitive touch panel, 10 points Multi
---------------------	--

View Angle (U/D/R/L)	80°/80°/85°/85°
----------------------	-----------------

Power System

Power Input	DC 12~24V
-------------	-----------

Certification

EMC / EMI	Meet CE, FCC Class A
-----------	----------------------

Expansion

Expansion Bus	1 x micro SD Card
---------------	-------------------

External I/O

Serial Ports	2 x COMs (4 x COMs optional)
--------------	-------------------------------

USB Ports	4 x Type-A USB 3.1 Gen.2 4x USB 2.0 port (Internal)
-----------	--

LAN	2 x RJ-45 GbE ports
-----	---------------------

Graphics	1 x HDMI / DP connector
----------	-------------------------

WiFi	optional
------	----------

Mechanical

Mounting Type	Panel Mounting and VESA-100 Mounting
---------------	--------------------------------------

Chassis	Panel-mounting chassis, aluminum front bezel and SECC steel chassis
---------	--

Dimension (W x D x H)	536 x 59 x 332 mm, 520 x 316 mm (Cut Size)
--------------------------	---

Weight (Net)	7 kg (15.4 lb)
--------------	----------------

Environmental

Operating Temp.	-20°C ~ 60°C (Memory SSD optional)
-----------------	--------------------------------------

Storage Temp.	-30°C ~ 70°C (-22°F ~ 158°F)
---------------	------------------------------

Operating Humidity	10 ~ 95% RH @ 60°C (non-condensing)
--------------------	-------------------------------------

Vibration	5 ~ 500Hz, 2Grms Random (with CFast/SSD)
-----------	--

Shock	Operating 10G, 11ms Non-operating 30G, 11ms (with CFast/SSD)
-------	---

OS Support

W 10 / Win 10 IOT Enterprise

Linux Kernel 4.x, Ubuntu 16.04, Fedora 25

TRUE INDUSTRIAL

7~15 years Support | 3 years+ Warranty | Customization Option

Alptech Elektronik GmbH



Zimmersmühlenweg 14-18 Tel: 06171-9799110 E-Mail: info@alptech.de

D-61440 Oberursel/Ts. Fax: 06171-9799115 www.alptech.de

P2296G-MT

Dimensions

