

# P2289C-MT



## Fanless 21.5" Wide-Screen Industrial Panel PC with Intel® Core i3/i5 Processor



### Features

- with the 6th/7th Gen. Intel Skylake-U/Kaby 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
- Easy Maintenance Design for HDD/SSD
- Serial Ports (RS-232/485), 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 i7-6500U™ CPU 3.0GHz, Skylake Intel® Core i5-6300U™ CPU 2.4GHz, Skylake Intel® Core i3-6100U™ CPU 2.3GHz, Skylake
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Memory	1 x DDR4L SO-DIMM Socket, supporting 2133 MHz SDRAM up to 16GB
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LAN	1 x Intel® I210AT 1x 219LM GbE controllers
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Watchdog Timer	1~255 levels reset
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### Storage

1st Device	2 x 2.5" drive bay, Raid 0,1,5
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2nd Device	mSATA, mPCIe
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### Audio

Speaker	No
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### LCD Display

Size/Type	21.5" TFT LCD Panel
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Max. Resolution	1920 x 1080, FHD
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Max. Colors	16.2M
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Luminance	300 cd/m <sup>2</sup>
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Touch Screen	Projected capacitive touch panel, 10 points Multi
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View Angle (U/D/R/L)	80°/80°/85°/85°
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### Power System

Power Input	DC 12~24V
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### Certification

EMC / EMI	Meet CE, FCC Class A
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### Expansion

Expansion Bus	1 x Mini-card socket (Full Size)
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### External I/O

Serial Ports	2 x RS-232 ( 4 x RS-232 optional)
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USB Ports	4 x Type-A USB 3.0 ports 2x USB 2.0 port ( 4x USB 2.0 optional)
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LAN	2 x RJ-45 GbE ports ( 3rd. LAN optional)
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Graphics	1 x HDMI / DP connector
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WiFi	optional
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### Mechanical

Mounting Type	Panel Mounting and VESA-100 Mounting
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Chassis	Panel-mounting chassis, aluminum front bezel and SECC steel chassis
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Dimension (W x D x H)	536.00 x 60 x 332.00 mm
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Weight (Net)	7 kg (15.4 lb)
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### Environmental

Operating Temp.	-10°C ~ 60°C
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Storage Temp.	-30°C ~ 70°C (-22°F ~ 158°F)
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Operating Humidity	10 ~ 95% RH @ 60°C (non-condensing)
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Vibration	5 ~ 500Hz, 2Grms Random (with CFast/SSD)
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Shock	Operating 10G, 11ms Non-operating 30G, 11ms (with CFast/SSD)
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### OS Support

W7 Pro / WS7E / W 10 / Win 10 IOT Enterprise

Linux Kernel 4.x, Ubuntu 16.04, Fedora 25



MSI Industrial Mainboards inside

Alptech Elektronik GmbH



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