

# P1977A-MT



Fanless High Performance Panel PC, Core i3 / i5 / i7



## Features

- 19" Panel PC with no Fan
- Socket-G2 /G3 Intel® Core i3 / i5 / i7 CPU
- 19" 1280 x 1024 SXGA Color TFT LCD Display
- Chassis Mounting / VESA Mounting
- Projective Capacitive Touch Screen
- Multiple Expansion (4 x USB/1 x PCI / HDMI )
- Compact Design

## System

<b>CPU</b>	Intel® Core i3/ i5 / i7 Gen. 2 + 3 CPU
<b>Memory</b>	2 x 204-pin DDR3 SO-DIMM Socket up to 16 GB at 1333/1600MHz, 1.5V
<b>Chipset</b>	Intel HM76 + Fintek 81866
<b>LAN</b>	2 x Intel G-LAN, i210, 82579
<b>Watchdog Timer</b>	1~255 levels reset

## Storage

<b>HDD/Type</b>	1 x 2.5" drive bay for SATA HDD/SSD
<b>Flash Disk</b>	1 x CFast Flash Socket ( optional )

## LCD Display

<b>Size/Type</b>	19" TFT LCD
<b>Resolution</b>	1280 x 1024, SXGA
<b>Pixel Pitch</b>	0.264 x 0.264 mm
<b>Max. Colors</b>	16M (24-bit)
<b>Luminance</b>	350 cd/m <sup>2</sup>

## Touch Screen

<b>Type</b>	10 points Multi Touch, projective capacitive Touch
<b>Resolution</b>	Continuous
<b>Light Transparency</b>	87%
<b>Interface</b>	USB Interface
<b>Power</b>	120 Watt DC Power11-36 V
<b>Requirement</b>	DC 11 ~ 28V / AC 110-230V
<b>Consumption</b>	max. 45 Watt with Core i5-3210M, 4GB RAM

<b>Rating</b>	NEMA 4 / IP65 Compliant Bezel
<b>Certificate</b>	Meet CE / FCC Class A

## I/O

<b>Serial Port</b>	2 x RS-232 ports ( 4x COMs optional)
<b>USB Port</b>	Bottom: 4 x USB 2.0 ports 2x USB 3.0
<b>KB/MS</b>	USB Keyboard and Mouse
<b>LAN</b>	2 x RJ-45, Intel LAN
<b>VGA</b>	1 x DVI, 2x DP connector
<b>Audio</b>	Mic-in/Line-in/Line-out
<b>Expansion Bus</b>	1 x PCI , 1x mini PCIe

## Mechanical

<b>Mounting Type</b>	Chassis-mounting / VESA Mounting
<b>Tempered Glass</b>	3 mm ( if no Touch Screen on Front )
<b>Construction</b>	w/ aluminum Front bezel + Steel case
<b>Dimension (W x D x H)</b>	469 x 96 x 393 mm

## Environmental

<b>Operating Temp.</b>	0 ~ 50°C (32 ~ 122°F)
<b>Storage Temp.</b>	-20 ~ 80°C (-4 ~ 176°F)
<b>Operating Humidity</b>	10 ~ 95% RH @40°C (non-condensing)
<b>Vibration</b>	5~500Hz, 1Grms



MSI Industrial Mainboards inside

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