

MSI Wind Top Professional AP200-208XEU (AP200-208XEU)

Intel Pentium G3250 (3M Cache, 3.20 GHz), 50.8 cm (20 ") HD+ (1600x900) LED Multi-Touch, 4GB DDR3, 500GB SATA III HDD, DVD Super Multi, Intel HD graphics, Gigabit Ethernet, WLAN 802.11 b/g/n, 1.0M WebCam, Non OS



Price details:

Price excl. VAT: 572.59 €

Eco fees: 0.00 €

VAT 21 %: 120.24 €

Product details:

Product code: AP200-208XEU

EAN: 4719072371838

Manufacturer: MSI

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692.83 €

Product is discontinued. You can not order it anymore.

* VAT included

The latest 4th generation Intel® Pentium® / Core i3 Processor, representing superior performance over previous generations.

AP200 features the fastest Intel® Dual-core Haswell Processor built on the latest 22nm Shark Bay Platform. Intel® H81 Express Chipset is the 4th generation single-chip design to support the LGA1150 socket. In all, this high performance combination in a low power package provides enhanced system speed and higher productivity.

Double Eye Protection

MSI Exclusive Flicker-Free

The Flicker-Free technology integrated into the AP200 display stabilizes the screen's output current and prevents flickering undetectable to the naked eyes. Even when used for extended periods of time, Flicker-Free technology effectively reduces eyestrain, improving productivity and quality of life.

Less Blue Light

Blue light is light with wavelengths in the 381nm to 500nm range. This can be dangerous to the human eye, causing cataract and retinal degeneration. The AP200 also features exclusive "Less Blue Light" technology to effectively reduce visible blue spectrum energy emitted from the display, thus reducing eyestrain and preventing vision damage.

Military Class 4

The AP200 is equipped with highly-stable and high-quality military-grade parts and components with SFC, Dark CAP capacitors, and Hi-c Cap, which provide excellent stability, power efficiency, and performance. These three key components have passed U.S. Military Standard MIL-STD-810G certification and provide extra protection to ensure the system's stable operation.

Hi-C CAP - Low Profile, High Efficiency

A Hi-c CAP is a very small, but super-efficient capacitor. Besides ensuring enough spacing around a CPU socket to install large coolers, it also allows for 93% energy efficiency. Thanks to Hi-c CAP's MSI mainboards are the most energy efficient in the market.

Super Ferrite Choke - High Power/Efficiency

Super Ferrite Chokes use a Ferrite core that is Super-Permeable. This allows the Super Ferrite Chokes to run at a 35 degree Celsius lower temperature, have a 30% higher current capacity, a 20% improvement in power efficiency and better overclocking power stability.

Dark CAP - High Efficiency, high heat resistance

With their aluminum core design, Dark CAP's have been a staple in high-end design mainboard designs and provides lower Equivalent Series Resistance (ESR) as well as its over-10-year lifespan.

Anti-Glare Display

MSI offers the best and most comfortable visual experience for corporate environments. The AP200 features an anti-glare display to reduce background reflections in offices, well-lit shop floors, and in study rooms, thereby helping to reduce eyestrain and enabling users to better concentrate on the contents of their computer monitor without being distracted by reflections.

2 COM Port

The MSI AP200's two COM ports are best suited for commercial POS applications, such as connecting barcode readers, credit card readers, receipt printers, and more.

Auto-Pivot Design

With an optional height adjustable pivot stand (pivot, left-right rotation, vertical position, and incline angle), the AP200 is designed to meet a wide variety of different needs, uses, and range of applications. The pivot Stand also offers auto screen rotation, commonly associated with smart phones and tablet computers, to automatically and conveniently rotate the screen display when flipped 90 degrees without having to manually tweak software display options.

USB 3.0 with MSI Super Charger

With MSI Super Charger technology, it does not only function as normal USB 3.0 port, but also enable users to charge cell phones or MP3 players even when the system is tuned off.

The USB 3.0 supports transfer rates up to 5 Gbps, or ten times that of USB 2.0, making it the fastest transfer interface available on the market today.

Easy Upgrade

The AP200 features a removable panel to facilitate system memory upgrades, that authorized dealer or service center can upgrade on their own easily and max up to 16GB.

Main specifications:

Display

Display diagonal:	20 "
Display resolution:	1600 x 900 pixels
HD type:	HD+
LED backlight:	Y
Touchscreen:	Y
Full HD:	N
Touch technology:	Multi-touch
Aspect ratio:	16:9

Processor

Processor frequency:	3.2 GHz
Processor family:	Intel Pentium G
Processor model:	G3250
Processor cores:	2
Processor threads:	2
Processor cache:	3 MB
Processor cache type:	Smart Cache
System bus rate:	5 GT/s
Motherboard chipset:	Intel H81
PCI Express slots version:	3.0
Processor socket:	LGA 1150 (Socket H3)
Processor lithography:	22 nm
Processor operating modes:	64-bit
Stepping:	C0
Bus type:	DMI
Processor codename:	Haswell

Thermal Design Power (TDP):	53 W
Processor series:	Intel Pentium G3000 series for Desktop
FSB Parity:	N
Maximum number of PCI Express lanes:	16
PCI Express configurations:	1x16,2x8,1x8+2x4
Processor code:	SR1K7
Tcase:	72 °C
Maximum internal memory supported by processor:	32 GB
Conflict Free processor:	Y
Memory types supported by processor:	DDR3-SDRAM
Memory clock speeds supported by processor:	1333 MHz
Memory bandwidth supported by processor (max):	21.3 GB/s
Memory channels supported by processor:	Dual
ECC supported by processor:	Y

Memory

Internal memory:	4 GB
Maximum internal memory:	16 GB
Internal memory type:	DDR3-SDRAM
Memory slots:	2
Memory slots type:	SO-DIMM

Storage

Total storage capacity:	500 GB
Card reader integrated:	Y
Storage media:	HDD
Compatible memory cards:	Memory Stick (MS),MMC,SD
Number of storage drives installed:	1
Number of hard drives installed:	1
Hard drive interface:	Serial ATA III

Graphics

On-board graphics adapter:	Y
Discrete graphics adapter model:	Not available
On-board graphics adapter model:	Intel HD Graphics
On-board graphics adapter family:	Intel HD Graphics
On-board graphics adapter base frequency:	350 MHz
On-board graphics adapter dynamic frequency (max):	1000 MHz
Maximum on-board graphics adapter memory:	1.7 GB
Number of displays supported (on-board graphics):	3
On-board graphics adapter DirectX version:	11.1

Audio

Built-in speaker(s):	Y
RMS rated power:	6 W
Built-in microphone:	Y

Optical drive

Optical drive type:	DVD Super Multi
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Networking

Wi-Fi:	Y
Wi-Fi standards:	802.11b,802.11g,802.11n
Ethernet LAN:	Y
Bluetooth:	N
Ethernet LAN data rates:	10,100,1000 Mbit/s

Ports & interfaces

USB 2.0 ports quantity:	4
USB 3.0 (3.1 Gen 1) Type-A ports quantity:	2
HDMI ports quantity:	1
VGA (D-Sub) ports quantity:	1
Headphone outputs:	1
Microphone in:	Y
Ethernet LAN (RJ-45) ports:	1
DC-in jack:	Y
Mini PCI Express slots:	2
Serial ports quantity:	2

Design

Colour of product:	White
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Cable lock slot:	Y
Wall mountable:	Y
Cable lock slot type:	Kensington
Performance	
Product type:	All-in-One PC
Software	
Operating system installed:	N
Processor special features	
Intel® Turbo Boost Technology:	N
Intel® Hyper Threading Technology (Intel® HT Technology):	N
Intel® My WiFi Technology (Intel® MWT):	N
Intel® Anti-Theft Technology (Intel® AT):	N
Intel® vPro® Technology:	N
Intel® Wireless Display (Intel® WiDi):	N
Enhanced Intel SpeedStep Technology:	Y
Intel® Quick Sync Video Technology:	Y
Intel® Clear Video HD Technology (Intel® CVT HD):	N
Intel Clear Video Technology:	N
Intel® Insider®:	N
Intel® InTru® 3D Technology:	N
Intel Flex Memory Access:	N
Intel® Smart Cache:	Y
Intel® AES New Instructions (Intel® AES-NI):	N
Intel Trusted Execution Technology:	N
Intel Enhanced Halt State:	Y
Intel VT-x with Extended Page Tables (EPT):	Y
Intel Demand Based Switching:	N
Intel® Secure Key:	Y
Intel TSX-NI:	N
Intel Stable Image Platform Program (SIPP):	N
Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID):	N
Intel 64:	Y
Execute Disable Bit:	Y
Idle States:	Y
Thermal Monitoring Technologies:	Y
Processor package size:	37.5 mm
Supported instruction sets:	SSE4.1,SSE4.2
Scalability:	1S
CPU configuration (max):	1
Embedded options available:	N
Graphics & IMC lithography:	22 nm
Thermal solution specification:	PCG 2013C
Intel Virtualization Technology for Directed I/O (VT-d):	N
Intel Stable Image Platform Program (SIPP) version:	0.00
Intel Secure Key Technology version:	1.00
Intel Virtualization Technology (VT-x):	Y
Intel TSX-NI version:	0.00
Intel Dual Display Capable Technology:	N
Intel FDI Technology:	N
Intel Rapid Storage Technology:	N
Intel Fast Memory Access:	N
Processor ARK ID:	83538
Power	
AC adapter power:	120 W
Multimedia	
Built-in camera:	Y
Total megapixels:	1 MP
TV tuner integrated:	N
Weight & dimensions	
Width:	495 mm
Depth:	91 mm
Height:	359 mm
Weight:	9760 g
Package weight:	10760 g
Packaging content	

AC adapter included: Y

Other features

Storage drive interface: Serial ATA III

Intel® Virtualization Technology (Intel® VT): VT-x

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