

## Samsung P210 Intel® Core™ 2 Duo P8400 Laptop 30.7 cm (12.1") 3 GB DDR2-SDRAM 250 GB Intel® GMA X4500 Windows Vista Business Black

**Brand :** Samsung

**Product code:** NP-P210-AA01DE

**Product name :** P210



P210, P8400 Core 2 Duo, 3GB, 250GB, 12" WXGA, WLAN, DVD Supermulti DL, Windows Vista Business/XP

Samsung P210. Product type: Laptop. Processor family: Intel® Core™ 2 Duo, Processor model: P8400, Processor frequency: 2.26 GHz. Display diagonal: 30.7 cm (12.1"), Display resolution: 1280 x 800 pixels. Internal memory: 3 GB, Internal memory type: DDR2-SDRAM. Total storage capacity: 250 GB, Optical drive type: DVD Super Multi DL. Discrete graphics card model: Intel® GMA X4500. Operating system installed: Windows Vista Business. Product color: Black. Weight: 1.95 kg



Design		Software	
Product type *	Laptop	Trial software	Microsoft Office Professional 2007
Product colour *	Black	Operating system installed *	Windows Vista Business
Display		Bundled software	SAMSUNG Magic Doctor, SAMSUNG Update Plus, Easy Display Manger, Easy Battery Manager, Easy Network Manager, Easy SpeedUp Manager, Adobe Acrobat Reader
Display diagonal *	30.7 cm (12.1")		
Display resolution *	1280 x 800 pixels		
Native aspect ratio	16:10		
Processor		Processor special features	
Processor manufacturer *	Intel	Intel® Wireless Display (Intel® WiDi)	×
Processor family *	Intel® Core™ 2 Duo	Intel® My WiFi Technology (Intel® MWT)	×
Processor model *	P8400	Intel® Anti-Theft Technology (Intel® AT)	×
Processor cores	2	Intel® Hyper Threading Technology (Intel® HT Technology)	×
Processor threads	2	Intel® Turbo Boost Technology	×
Processor frequency *	2.26 GHz	Enhanced Intel SpeedStep Technology	✓
Processor cache	3 MB	Intel® Clear Video HD Technology (Intel® CVT HD)	×
Processor cache type	L2	Intel Clear Video Technology	×
Processor socket	Socket 478	Intel® InTru™ 3D Technology	×
Processor front side bus	1066 MHz	Intel® Insider™	×
Processor lithography	45 nm	Intel® Quick Sync Video Technology	×
Processor operating modes	64-bit	Intel Flex Memory Access	×
Processor series	Intel Core 2 Duo P8000 Series	Intel® AES New Instructions (Intel® AES-NI)	×
Processor codename	Penryn	Intel Trusted Execution Technology	✓
Bus type	FSB	Intel Enhanced Halt State	✓
FSB Parity	×	Intel VT-x with Extended Page Tables (EPT)	×
Stepping	M0	Intel Demand Based Switching	×
Thermal Design Power (TDP)	25 W		
Tjunction	105 °C		
Number of Processing Die Transistors	410 M		
Processing Die size	107 mm <sup>2</sup>		
CPU multiplier (bus/core ratio)	8.5		
ECC supported by processor	×		

<b>Memory</b>		<b>Processor special features</b>	
Internal memory *	3 GB	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✗
Internal memory type	DDR2-SDRAM	Intel 64	✓
Memory slots	2x SO-DIMM	Execute Disable Bit	✓
Maximum internal memory *	4 GB	Idle States	✓
<b>Storage</b>		Thermal Monitoring Technologies	✗
Total storage capacity *	250 GB	Processor package size	35 x 35 mm
HDD interface	SATA	Processor code	SL3BU
HDD speed	5400 RPM	Embedded options available	✓
Optical drive type *	DVD Super Multi DL	Intel Virtualization Technology for Directed I/O (VT-d)	✗
Card reader integrated	✓	Intel Virtualization Technology (VT-x)	✓
Compatible memory cards	MMC, SD, SDHC	Intel Dual Display Capable Technology	✗
<b>Graphics</b>		Intel FDI Technology	✗
Discrete graphics card model *	Intel® GMA X4500	Intel Rapid Storage Technology	✗
Discrete graphics card *	✓	Intel Fast Memory Access	✗
<b>Audio</b>		Processor ARK ID	35569
Audio system	HD	Conflict-Free processor	✗
Number of built-in speakers	2	<b>Battery</b>	
Speaker power	3 W	Number of battery cells	6
<b>Camera</b>		<b>Power</b>	
Front camera resolution (numeric)	1.3 MP	AC adapter power	60 W
<b>Network</b>		DC-in jack	✓
Networking features	10 / 100 / 1000 LAN	<b>Security</b>	
Bluetooth	✓	Cable lock slot	✓
Bluetooth version	2.0+EDR	Cable lock slot type	Kensington
<b>Ports &amp; interfaces</b>		Password protection type	BIOS
USB 2.0 ports quantity *	3	<b>Weight &amp; dimensions</b>	
Ethernet LAN (RJ-45) ports	1	Width	304 mm
HDMI ports quantity *	1	Depth	226 mm
DVI port	✗	Height (front)	2.87 cm
VGA (D-Sub) ports quantity	1	Height (rear)	3.67 cm
Headphone outputs	1	Weight *	1.95 kg
S/PDIF out port	✗	<b>Other features</b>	
Microphone in	✓	Wireless technology	802.11a.b.g/n
Docking connector	✗	Infrared data port	✗
ExpressCard slot	✓	Type	PC
CardBus PCMCIA slot type	✗	TV-in port	✗
SmartCard slot	✗	HDD user password	✓
Modem (RJ-11) ports	1	Internal modem	✓
TV-out	✗	Modem type	V.92
<b>Keyboard</b>			
Pointing device	Touchpad + Scroll zone		
Keyboard number of keys	83		
<b>Software</b>			
Optional operating system supplied	Windows XP Professional		

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