SAMSUNG

## Samsung P210 Intel® Core<sup>™</sup>2 Duo P8400 Laptop 30,7 cm (12.1") 3 GB DDR2-SDRAM 250 GB Intel® GMA X4500 Windows Vista Business Czarny

Marka : Samsung

Kod produktu: NP-P210-AA01DE

Nazwa produktu : P210

Samsung P210. Typ produktu: Laptop. Typ procesora: Intel® Core<sup>™</sup> 2 Duo, Model procesora: P8400, Taktowanie procesora: 2,26 GHz. Długość przekątnej ekranu: 30,7 cm (12.1"), Rozdzielczość: 1280 x 800 px. Pamięć wewnętrzna: 3 GB, Typ pamięci wewnętrznej: DDR2-SDRAM. Całkowita pojemność przechowywania: 250 GB, Napędy optyczne: DVD Super Multi DL. Model dedykowanej karty graficznej: Intel® GMA X4500. Zainstalowany system operacyjny: Windows Vista Business. Kolor produktu: Czarny. Waga produktu: 1,95 kg





Design		Software	
Product type *	Lantan	Trial software	Microsoft Office Professional 2007
Product colour *	Laptop Black	Operating system installed *	Windows Vista Business
	BIACK	Operating system installed *	SAMSUNG Magic Doctor, SAMSUNG
Display	20.7 (10.11)		Update Plus, Easy Display Manger,
Display diagonal *	30.7 cm (12.1")	Bundled software	Easy Battery Manager, Easy Network Manager, Easy SpeedUp
Display resolution *	1280 x 800 pixels		Manager, Adobe Acrobat Reader
Native aspect ratio	16:10	Processor special features	
Processor			
Processor manufacturer *	Intel	Intel® Wireless Display (Intel® WiDi)	×
Processor family *	Intel® Core <sup>™</sup> 2 Duo	Intel® My WiFi Technology (Intel®	×
Processor model *	P8400	MWT)	^
Processor cores	2	Intel® Anti-Theft Technology	×
Processor threads	2	(Intel® AT) Intel® Hyper Threading Technology	
Processor frequency *	2.26 GHz	(Intel® HT Technology)	×
Processor cache	3 MB	Intel® Turbo Boost Technology	×
Processor cache type	L2	Enhanced Intel SpeedStep	
Processor socket	Socket 478	Technology	J
Processor front side bus	1066 MHz	Intel <sup>®</sup> Clear Video HD Technology	×
Processor lithography	45 nm	(Intel® CVT HD)	<b>^</b>
Processor operating modes Processor series	64-bit Intel Core 2 Duo P8000 Series	Intel Clear Video Technology	×
Processor series Processor codename		Intel® InTru™ 3D Technology	×
Bus type	Penryn FSB	Intel® Insider™	×
FSB Parity	×	Intel <sup>®</sup> Quick Sync Video Technology	×
Stepping	MO	Intel Flex Memory Access	×
Thermal Design Power (TDP)	25 W	Intel® AES New Instructions (Intel®	x
Tjunction	105 °C	AES-NI)	
Number of Processing Die		Intel Trusted Execution Technology	1
Transistors	410 M	Intel Enhanced Halt State	1
Processing Die size	107 mm²	Intel VT-x with Extended Page	×
CPU multiplier (bus/core ratio)	8.5	Tables (EPT)	
ECC supported by processor	×	Intel Demand Based Switching	×

Memory		Processor special features	
Internal memory * Internal memory type Memory slots	3 GB DDR2-SDRAM 2x SO-DIMM	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	×
Maximum internal memory *	4 GB	Intel 64	1
Storage		Execute Disable Bit	1
Total storage capacity *	250 GB	Idle States	1
HDD interface	SATA	Thermal Monitoring Technologies	×
HDD speed	5400 RPM	Processor package size	35 x 35 mm
Optical drive type *	DVD Super Multi DL	Processor code Embedded options available	SL3BU
Card reader integrated	1	Intel Virtualization Technology for	
Compatible memory cards	MMC, SD, SDHC	Directed I/O (VT-d)	×
Graphics		Intel Virtualization Technology (VT-	1
Discrete graphics card model * Discrete graphics card *	Intel® GMA X4500 ✓	x) Intel Dual Display Capable Technology	×
Audio		Intel FDI Technology	×
Audio system	HD	Intel Rapid Storage Technology	×
Number of built-in speakers	2	Intel Fast Memory Access	×
Speaker power	3 W	Processor ARK ID	35569
Camera		Conflict-Free processor	×
Front camera resolution (numeric)	1.3 MP	Battery	
Network		Number of battery cells	6
Networking features	10 / 100 / 1000 LAN	Power	
Networking features Bluetooth	10 / 100 / 1000 LAN		60 W
-		Power	
Bluetooth	1	Power AC adapter power	60 W
Bluetooth Bluetooth version Ports & interfaces USB 2.0 ports quantity *	✓ 2.0+EDR 3	<b>Power</b> AC adapter power DC-in jack	60 W
Bluetooth Bluetooth version Ports & interfaces USB 2.0 ports quantity * Ethernet LAN (RJ-45) ports	<ul> <li>✓</li> <li>2.0+EDR</li> <li>3</li> <li>1</li> </ul>	Power AC adapter power DC-in jack Security	60 W ✔
Bluetooth Bluetooth version Ports & interfaces USB 2.0 ports quantity * Ethernet LAN (RJ-45) ports HDMI ports quantity *	<ul> <li>✓</li> <li>2.0+EDR</li> <li>3</li> <li>1</li> <li>1</li> </ul>	Power AC adapter power DC-in jack Security Cable lock slot	60 W ✓
Bluetooth Bluetooth version Ports & interfaces USB 2.0 ports quantity * Ethernet LAN (RJ-45) ports HDMI ports quantity * DVI port	<ul> <li>✓</li> <li>2.0+EDR</li> <li>3</li> <li>1</li> <li>1</li> <li>×</li> </ul>	Power AC adapter power DC-in jack Security Cable lock slot Cable lock slot type	60 W ✓ Kensington
Bluetooth Bluetooth version Ports & interfaces USB 2.0 ports quantity * Ethernet LAN (RJ-45) ports HDMI ports quantity *	<ul> <li>✓</li> <li>2.0+EDR</li> <li>3</li> <li>1</li> <li>1</li> </ul>	Power AC adapter power DC-in jack Security Cable lock slot Cable lock slot type Password protection type	60 W ✓ Kensington
Bluetooth Bluetooth version Ports & interfaces USB 2.0 ports quantity * Ethernet LAN (RJ-45) ports HDMI ports quantity * DVI port VGA (D-Sub) ports quantity	<ul> <li>✓</li> <li>2.0+EDR</li> <li>3</li> <li>1</li> <li>1</li> <li>×</li> <li>1</li> </ul>	Power AC adapter power DC-in jack Security Cable lock slot Cable lock slot type Password protection type Weight & dimensions Width Depth	60 W ✓ Kensington BIOS 304 mm 226 mm
Bluetooth Bluetooth version Ports & interfaces USB 2.0 ports quantity * Ethernet LAN (RJ-45) ports HDMI ports quantity * DVI port VGA (D-Sub) ports quantity Headphone outputs	<ul> <li>✓</li> <li>2.0+EDR</li> <li>3</li> <li>1</li> <li>1</li> <li>×</li> <li>1</li> <li>1</li> <li>1</li> <li>1</li> </ul>	Power AC adapter power DC-in jack Security Cable lock slot Cable lock slot type Password protection type Weight & dimensions Width Depth Height (front)	60 W Kensington BIOS 304 mm 226 mm 2.87 cm
Bluetooth Bluetooth version Ports & interfaces USB 2.0 ports quantity * Ethernet LAN (RJ-45) ports HDMI ports quantity * DVI port VGA (D-Sub) ports quantity Headphone outputs S/PDIF out port	<ul> <li>✓</li> <li>2.0+EDR</li> <li>3</li> <li>1</li> <li>1</li> <li>×</li> <li>1</li> <li>1</li> <li>×</li> <li>×</li> </ul>	Power AC adapter power DC-in jack Security Cable lock slot Cable lock slot type Password protection type Weight & dimensions Width Depth Height (front) Height (rear)	60 W ✓ ✓ Kensington BIOS 304 mm 226 mm 2.87 cm 3.67 cm
Bluetooth Bluetooth version Ports & interfaces USB 2.0 ports quantity * Ethernet LAN (RJ-45) ports HDMI ports quantity * DVI port VGA (D-Sub) ports quantity Headphone outputs S/PDIF out port Microphone in	<ul> <li>✓</li> <li>2.0+EDR</li> <li>3</li> <li>1</li> <li>1</li> <li>×</li> <li>1</li> <li>×</li> <li>✓</li> </ul>	Power         AC adapter power         DC-in jack         Security         Cable lock slot         Cable lock slot type         Password protection type         Weight & dimensions         Width         Depth         Height (front)         Height (rear)         Weight *	60 W Kensington BIOS 304 mm 226 mm 2.87 cm
Bluetooth Bluetooth version Ports & interfaces USB 2.0 ports quantity * Ethernet LAN (RJ-45) ports HDMI ports quantity * DVI port VGA (D-Sub) ports quantity Headphone outputs S/PDIF out port Microphone in Docking connector	✓ 2.0+EDR  3 1 1 × 1 1 ×	Power AC adapter power DC-in jack Security Cable lock slot Cable lock slot type Password protection type Weight & dimensions Width Depth Height (front) Height (rear) Weight *	60 W ✓ Kensington BIOS 304 mm 226 mm 2.87 cm 3.67 cm 1.95 kg
Bluetooth Bluetooth version Ports & interfaces USB 2.0 ports quantity * Ethernet LAN (RJ-45) ports HDMI ports quantity * DVI port VGA (D-Sub) ports quantity Headphone outputs S/PDIF out port Microphone in Docking connector ExpressCard slot	<ul> <li>✓</li> <li>2.0+EDR</li> <li>3</li> <li>1</li> <li>1</li> <li>×</li> <li>1</li> <li>×</li> <li>×</li> <li>✓</li> <li>×</li> <li>✓</li> </ul>	PowerAC adapter powerDC-in jackSecurityCable lock slotCable lock slot typePassword protection typeWeight & dimensionsWidthDepthHeight (front)Height (rear)Weight *Other featuresWireless technology	60 W ✓ Kensington BIOS 304 mm 226 mm 226 mm 2.87 cm 3.67 cm 1.95 kg HORENS
Bluetooth Bluetooth version Ports & interfaces USB 2.0 ports quantity * Ethernet LAN (RJ-45) ports HDMI ports quantity * DVI port VGA (D-Sub) ports quantity Headphone outputs S/PDIF out port Microphone in Docking connector ExpressCard slot CardBus PCMCIA slot type	✓ 2.0+EDR  3 1 1 1 × 1 1 × ✓ ✓ × ✓ × ✓ × × × × × × ×	PowerAC adapter powerDC-in jackSecurityCable lock slotCable lock slot typePassword protection typeWeight & dimensionsWidthDepthHeight (front)Height (rear)Weight *Other featuresWireless technologyInfrared data port	60 W ✓ ✓ Kensington BIOS 304 mm 226 mm 226 mm 2287 cm 3.67 cm 1.95 kg MO2.11a.b.g/n ×
Bluetooth version Ports & interfaces USB 2.0 ports quantity * Ethernet LAN (RJ-45) ports HDMI ports quantity * DVI port VGA (D-Sub) ports quantity Headphone outputs S/PDIF out port Microphone in Docking connector ExpressCard slot CardBus PCMCIA slot type SmartCard slot	✓ 2.0+EDR  3 1 1  X 1 1  X  ✓ X  ✓ X  X  X  X  X  X  X  X  X  X	Power AC adapter power DC-in jack Security Cable lock slot Cable lock slot type Password protection type Weight & dimensions Width Depth Height (front) Height (rear) Weight * Other features Wireless technology Infrared data port Type	60 W ✓ Kensington BIOS 304 mm 226 mm 226 mm 2.87 cm 3.67 cm 1.95 kg HORENS
Bluetooth version Ports & interfaces USB 2.0 ports quantity * Ethernet LAN (RJ-45) ports HDMI ports quantity * DVI port VGA (D-Sub) ports quantity Headphone outputs S/PDIF out port Microphone in Docking connector ExpressCard slot CardBus PCMCIA slot type SmartCard slot Modem (RJ-11) ports	✓ 2.0+EDR  3 1 1  × 1 1 ×  ✓ ×  ✓ × ×  ✓ ×  × 1 1 1	PowerAC adapter powerDC-in jackSecurityCable lock slotCable lock slot typePassword protection typeWeight & dimensionsWidthDepthHeight (front)Height (rear)Weight *Other featuresWireless technologyInfrared data port	60 W ✓ Kensington BIOS 304 mm 226 mm 2287 cm 3.67 cm 1.95 kg HORENS
Bluetooth version Ports & interfaces USB 2.0 ports quantity * Ethernet LAN (RJ-45) ports HDMI ports quantity * DVI port VGA (D-Sub) ports quantity Headphone outputs S/PDIF out port Microphone in Docking connector ExpressCard slot CardBus PCMCIA slot type SmartCard slot Modem (RJ-11) ports Tv-out <b>Keyboard</b> Pointing device	<ul> <li>2.0+EDR</li> <li>3</li> <li>1</li> <li>1</li> <li>×</li> <li>1</li> <li>×</li> <li>×&lt;</li></ul>	Power AC adapter power DC-in jack Security Cable lock slot Cable lock slot type Password protection type Weight & dimensions Width Depth Height (front) Height (front) Height (rear) Weight * Other features Vireless technology Infrared data port Type TV-in port	60 W * Kensington BIOS 304 mm 226 mm 2.87 cm 3.67 cm 1.95 kg 802.11a.b.g/n * PC *
Bluetooth version Ports & interfaces USB 2.0 ports quantity * Ethernet LAN (RJ-45) ports HDMI ports quantity * DVI port VGA (D-Sub) ports quantity Headphone outputs S/PDIF out port Microphone in Docking connector ExpressCard slot CardBus PCMCIA slot type SmartCard slot Modem (RJ-11) ports TV-out Keyboard	✓ 2.0+EDR  3 1 1 × 1 1 ×  4 × 1 1 ×  4 × 4 × 4 × 4 ×	PowerAC adapter powerDC-in jackSecurityCable lock slotCable lock slot typePassword protection typeWeight & dimensionsWidthDepthHeight (front)Height (rear)Weight *Other featuresWireless technologyInfrared data portTypeTV-in portHDD user password	60 W ✓ ✓ Kensington BIOS 304 mm 226 mm 226 mm 2.87 cm 3.67 cm 1.95 kg MOLILIA.b.g/n × PC × ↓

Optional operating system supplied Windows XP Professional

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