



Lenovo ThinkPad X220 Intel® Core™ i3 i3-2350M 31,8 cm (12.5") 4 GB DDR3-SDRAM 320 GB HDD Wi-Fi 4 (802.11n) Windows 7 Professional Svart

Märke : Lenovo

Produktfamilj: ThinkPad

Produktkod: NYD66IX

Product name : X220

Lenovo ThinkPad X220. Processorfamilj: Intel® Core™ i3, Processor: i3-2350M, Processorfrekvens: 2,3 GHz. Skärm diagonal: 31,8 cm (12.5"), Upplösning: 1366 x 768 pixlar. Internminne: 4 GB, Typ av internminne: DDR3-SDRAM. Total lagringskapacitet: 320 GB, Lagringsmedia: HDD. Ombord grafikkort modell: Intel® HD Graphics 3000. Installerat operativsystem: Windows 7 Professional. Produktens färg: Svart. Vikt: 1,3 kg



Design		Programvara	
Produktens färg *	Svart	Operativsystemets systemarkitektur	64-bit
Display		Installerat operativsystem *	Windows 7 Professional
Skärm diagonal *	31,8 cm (12.5")	Processor specialfunktioner	
Upplösning *	1366 x 768 pixlar	Intel® Wireless Display (Intel® WiDi)	✓
LED-bakgrundsbelysning	✓	Intel® My WiFi Technology (Intel® MWT)	✓
Native bildförhållande	16:9	Intel® Stödskydd Teknik (Intel® AT)	✓
Processor		Intel® Identity Protection Technology (Intel® IPT)	✓
Processortillverkare *	Intel	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processorfamilj *	Intel® Core™ i3	Intel® Turbo Boost Technology	✗
Processorgenerering	2:a generationens Intel® Core™ i3	Förstärkt Intel Speedstep Technology	✓
Processor *	i3-2350M	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Processorkärnor	2	Intel Clear Video Technology	✗
Processortrådar	4	Intel® InTru™ 3D-teknik	✓
Processorfrekvens *	2,3 GHz	Intel® Insider™	✓
Systembuss, hastighet	5 GT/s	Intel® Quick Sync Video Technology	✓
Processorns cache	3 MB	Intel® Flex minnesåtkomst	✓
Processorns cachetyp	Smart Cache	Intel® Smart Cache	✓
Processorsockel	Socket 988	Intel® AES nya instruktioner (Intel® AES-NI)	✗
Processorlitografi	32 nm	Intel® Trusted Execution Technology	✗
Processorns driftlägen	64-bit	Intel® Förbättrad Halt State	✓
Processorserie	Intel Core i3-2300 Mobile Series	Intel® VT-x med utökad Sida Tabeller (EPT)	✓
Processorns kodnamn	Sandy Bridge	Intel® Efterfrågan Baserad Växla	✗
Busstyp	DMI		
FSB-paritet	✗		
Stegning	J1		
Värmeavledningseffekt (TDP)	35 W		
T-junction	85 ° C		
Högsta antal PCI Express-platser	16		
PCI Express-kortplatser version	2.0		
PCI Express konfigurationer	1x16, 2x8, 1x8+2x4		

Processor		Processor specialfunktioner	
CPU multiplikatorn (buss / core-förhållande)	23	Intel® Clear Video Technology för MID (Intel® CVT for MID)	✗
Processor med ECC-stöd	✗	Intel® 64	✓
Minne		Execute Disable Bit-säkerhet	✓
Internminne *	4 GB	Idle stater	✓
Typ av internminne	DDR3-SDRAM	Termiska övervakningsteknik	✓
Minne klockhastighet	1333 MHz	Processorns förpackningsstorlek	37.5 x 37.5 (rPGA988B); 31 x 24 (BGA1023)
Minnesplatser	2x SO-DIMM	Stödda instruktionsset	AVX
Maximalt internminne *	8 GB	Processorkod	SR0DN
Lagringsmedia		CPU konfiguration (max)	1
Total lagringskapacitet *	320 GB	Inbäddade alternativ	✗
Lagringsmedia *	HDD	Grafik & IMC litografi	32 nm
Antalet installerade hårddiskar	1	Intel® Virtualization Technology for Directed I/O (VT-d)	✗
Hårddiskkapacitet	320 GB	Intel Identity Protection Technology-version	1,00
Hårddiskens rotationshastighet	5400 RPM	Intel Virtualization Technology (VT-x)	✓
Hårddiskens storlek	2.5"	Intel® Dual Display Kan Teknik	✓
Optisk enhetstyp *	✗	Intel® FDI-teknik	✓
Inbyggd kortläsare	✓	Intel® Rapid Storage Technology	✗
Grafiken		Intel® Snabb Memory Access	✓
Ombord grafikkort *	✓	ARK-ID för processor	53438
Familj av inbyggda grafikkort	Intel® HD Graphics	Etisk processor (Conflict Free)	✗
Ombord grafikkort modell *	Intel® HD Graphics 3000	Integrerat 4G WiMAX	✓
Basfrekvens för inbyggt grafikkort	650 MHz	Batteri	
Högsta dynamiska frekvens för inbyggt grafikkort	1150 MHz	Batteriteknik	Litium-Ion (Li-Ion)
Grafik enhets-ID	0x116	Strömtillförsel	
Nätverk		Likströmsingång	✓
Wi-Fi	✓	Bevakning	
Wi-Fi-standard *	Wi-Fi 4 (802.11n)	Produktvikt (oz)	✗
Wi-Fi-standarder	802.11a, 802.11g, Wi-Fi 4 (802.11n)	Vikt & dimension	
Nätverksansluten (Ethernet)	✓	Bredd	300,5 mm
Bluetooth	✗	Djup	200,6 mm
Kabelteknik	10/100/1000Base-T(X)	Höjd	30,5 mm
Anslutningar		Vikt *	1,3 kg
Antal USB 2.0 anslutningar *	2	Förpackningens innehåll	
Antal LAN (RJ-45) anslutningar	1	AC-adapter inkluderad *	✓
Antal Displayportar	1	Övrigt	
DVI-port	✗	LightScribe	✗
Kvalitet på VGA (D-Sub) porten	1	Infraröd port	✗
Hörlursutgångar	1	Grafikadapterfamilj	Intel
Uttag för mikrofon/linje in	✓	Displaytyp	LED
Dockningsanslutning	✗		
Slot för ExpressCard	✓		
Typ av CardBus PCMCIA-kortplats	✗		
TV-ut	✗		

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