



Lenovo ThinkPad Edge E431 Intel® Core™ i7 i7-3632QM Laptop 35.6 cm (14") 4 GB DDR3-SDRAM 1 TB HDD NVIDIA® GeForce® GT 740M FreeDOS Black



Brand : Lenovo

Product family: ThinkPad

Product code: 62773JA

Product name : Edge E431

14" HD 1366 x 768, Intel Core i7-3632QM (6M Cache, 2.2 GHz), 4GB DDR3, 1TB HDD, Nvidia GeForce GT740M 2GB, 720p HD WebCam, Gigabit Ethernet, WLAN 802.11 b/g/n, Bluetooth 4.0, DOS
Lenovo ThinkPad Edge E431. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i7, Processor: i7-3632QM, Processor frequency: 2.2 GHz. Display diagonal: 35.6 cm (14"), Display resolution: 1366 x 768 pixels. Internal memory: 4 GB, Internal memory type: DDR3-SDRAM. Total storage capacity: 1 TB, Storage media: HDD, Optical drive type: DVD±RW. On-board graphics card model: Intel® HD Graphics 4000. Operating system installed: FreeDOS. Product colour: Black

Design		Ports & interfaces	
Product type *	Laptop	S/PDIF out port	✗
Product colour *	Black	Microphone in	✗
Form factor *	Clamshell	Combo headphone/mic port	✓
Market positioning	Business	ExpressCard slot	✗
Display		CardBus PCMCIA slot type	✗
Display diagonal *	35.6 cm (14")	SmartCard slot	✗
Display resolution *	1366 x 768 pixels	USB Sleep-and-Charge	✓
Touch screen *	✗	Keyboard	
LED backlight	✓	Numeric keypad *	✗
Native aspect ratio	16:9	Spill-resistant keyboard	✓
Display surface	Gloss	Full-size keyboard	✓
Processor		Windows keys	✓
Processor manufacturer *	Intel	Software	
Processor family *	Intel® Core™ i7	Operating system installed *	FreeDOS
Processor generation	3rd gen Intel® Core™ i7	Processor special features	
Processor *	i7-3632QM	Intel Wireless Display (WiDi) Technology	✓
Processor number of cores	4	Intel My WiFi Technology	✓
Processor threads	8	Intel Anti-Theft Technology	✓
Processor boost frequency	3.2 GHz	Intel Identity Protection Technology	✓
Processor frequency *	2.2 GHz	Intel Hyper-Threading Technology	✓
System bus data transfer rate	5 GT/s	Intel Turbo Boost Technology	2.0
Processor cache	6 MB	Intel® Small Business Advantage (Intel® SBA)	✓
Processor cache type	Smart Cache	Enhanced Intel SpeedStep Technology	✓
Processor socket	Socket 1224	Intel Clear Video HD Technology	✓
L3 cache	6 MB	Intel Clear Video Technology	✗
Processor lithography	22 nm	Intel® InTru™ 3D Technology	✓
Processor operating modes	64-bit	Intel® Insider™	✓
Processor series	Intel Core i7-3600 Mobile series	Intel® Quick Sync Video Technology	✓
Processor codename	Ivy Bridge	Intel Flex Memory Access	✓
Bus type	DMI	Intel® Smart Cache	✓
FSB Parity	✗	Intel AES New Instructions	✓
Thermal Design Power (TDP)	35 W		
Tjunction	105 °C		
Maximum number of PCI Express lanes	16		
PCI Express slots version	3.0		
PCI Express configurations	1x16, 2x8, 1x8+2x4		

Processor		Processor special features	
CPU multiplier (bus/core ratio)	22	Intel Trusted Execution Technology	✗
ECC supported by processor	✗	Intel Enhanced Halt State	✓
Memory		Intel VT-x with Extended Page Tables (EPT)	✓
Internal memory *	4 GB	Intel Demand Based Switching	✗
Internal memory type	DDR3-SDRAM	Intel® Secure Key	✓
Memory clock speed	1600 MHz	Intel Clear Video Technology for MID	✗
Memory form factor	SO-DIMM	Intel 64	✓
Memory slots	2x SO-DIMM	Execute Disable Bit	✓
Maximum internal memory *	16 GB	Idle States	✓
Storage		Thermal Monitoring Technologies	✓
Total storage capacity *	1 TB	Processor package size	37.5 x 37.5 (rPGA988B)
Storage media *	HDD	Supported instruction sets	AVX
Number of hard drives installed	1	CPU configuration (max)	1
Hard drive capacity	1 TB	Embedded options available	✗
Hard drive rotational speed	5400 RPM	Graphics & IMC lithography	22 nm
Optical drive type *	DVD±RW	Intel Virtualization Technology for Directed I/O (VT-d)	✗
Card reader integrated	✓	Intel Identity Protection Technology version	1.00
Graphics		Intel Secure Key Technology version	1.00
Discrete graphics card model *	NVIDIA® GeForce® GT 740M	Intel Virtualization Technology (VT-x)	✓
Discrete graphics card memory	2 GB	Intel Dual Display Capable Technology	✓
On-board graphics card *	✓	Intel FDI Technology	✓
Discrete graphics card *	✓	Intel Rapid Storage Technology	✗
On-board graphics card family	Intel® HD Graphics	Intel Fast Memory Access	✓
On-board graphics card model *	Intel® HD Graphics 4000	Processor ARK ID	71458
On-board graphics card base frequency	650 MHz	Conflict-Free processor	✓
On-board graphics card dynamic frequency (max)	1150 MHz	Integrated 4G WiMAX	✓
On-board graphics card ID	0x166	Battery	
Audio		Battery technology	Lithium-Ion (Li-Ion)
Audio system	Dolby Advanced Audio v2	Number of battery cells	6
Number of built-in speakers	2	Battery life (max)	6 h
Built-in microphone	✓	Energy Management	
Camera		DC-in jack	✓
Front camera	✓	Security	
Network		Cable lock slot	✗
Wi-Fi	✓	Fingerprint reader	✓
Wi-Fi standards	802.11b, 802.11g, Wi-Fi 4 (802.11n)	Weight & Dimensions	
Ethernet LAN connection	✓	Width	344 mm
Ethernet LAN data rates	10,100,1000 Mbit/s	Depth	238.7 mm
Bluetooth	✓	Height	24.9 mm
Bluetooth version	4.0	Weight *	2.13 kg
4G WiMAX	✗	Packaging Content	
Ports & interfaces		AC adapter bundled *	✓
USB 2.0 ports quantity *	1	Manual	✓
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2	Other features	
Ethernet LAN (RJ-45) ports quantity	1	LightScribe	✗
HDMI ports quantity *	1	Intel segment tagging	Home office, Small Business
DVI port	✗		
VGA (D-Sub) ports quantity	1		

Catalog Object Cloud



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