ThinkPad T431s



Lenovo® ThinkPad T431s



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Lenovo ThinkPad T431s with ThinkPad Mini Dock Series 3 with USB 3.0 - 90W 433715U

ThinkPad T431s 20AA (TopSeller)

Type-model	Processor	Memory	Wide- screen display	Camera	Disk SATA GB [®] rpm	Backlit key- board	M.2 Card WLAN	M.2 Card WWAN/ SSD		t te	at- ery Intel	Intel vPro	Preload	Ann Date (mm/yy)		
20AA000SUS	i7-3687U	4+4GB	14.0" HD+	720p	240G FDE SSD	Backlit	Intel 623528	WWAN upg	Finge	er :	3 iAMT	vPro	Win7 Pro6	4 03/13		
20AA000TUS	i7-3687U											_	Win8 Pro6			
20AA000KUS	i5-3437U	1									3 iAMT	vPro	Win8 Pro6	4 03/13		
20AA000JUS	i5-3337U	4GB	B 14.0" HD+ 720p 180G SSD Backlit Intel 6235 WWAN upg Find									No	Win7 Pro6	4 03/13		
20AA000UUS	i7-3687U		4GB 14.0" HD+ 720p 180G SSD Backlit Intel 6235 WWAN upg Fing									vPro	Win8 Pro6	4 03/13		
	i5-3337U	4GB	14.0" HD+ 720p 500G 7200 Backlit Intel 6235 24GB SSD Fing										Win8 Pro6			
	i5-3437U	4GB	14.0" HD+ 720p 500G 7200 Backlit Intel 6235 24GB SSD Finge										Win7 Pro6			
	i7-3687U												Win7 Pro6			
	i7-3687U		+4GB 14.0" HD+ 720p 500G 7200 Backlit Intel 6235 24GB SSD Finge										Win8 Pro6			
	i5-3437U	4GB											Win8 Pro6			
	i5-3337U	4GB										No	Win7 Pro6			
	i5-3437U i7-3687U	4GB 4+4GB	1 10 0										Win7 Pro6 Win7 Pro6			
	i5-3337U	4GB	14.0" HD+		180G SSD 180G SSD		Intel 6235	WWAN upg	Finge				Win8 Pro6			
	i5-3337U	4GB	14.0" HD+		500G 7200	None	Intel 6235	24GB SSD	Finge				Win7 Pro6			
	i5-3437U	4GB	14.0" HD+		500G 7200	None	Intel 6235	24GB SSD	Finge				Win7 Pro6			
	i7-3687U		14.0" HD+		256G SSD OPAL			WWAN upg	Finge				Win7 Pro6			
20AA002WUS			14.0" HD+		256G SSD OPAL			WWAN upg	None				Win7 Pro6			
	i5-3437U	4GB	14.0" HD+		256G SSD OPAL			WWAN upg	Finge				Win7 Pro6			
	i5-3337U	4GB	14.0" HD+		256G SSD OPAL			WWAN upg	None		3 None		Win7 Pro6			
	i5-3437U	4GB	14.0" HD+		256G SSD OPAL			WWAN upg	None				Win7 Pro6			
	i5-3337U	4GB	14.0" HD+	720p	256G SSD OPAL	Backlit		WWAN upg	Finge		3 None	No	Win7 Pro6	4 07/13		
20AA001WUS	i5-3337U	4GB	14.0" HD+	720p	500G 7200	Backlit	Intel 6235	24GB SSD	None		3 None		Win7 Pro6			
	DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (2.70GHz), HT technology Intel Core i5-3437U processor (2 cores, 1.90GHz, 3MB cache), Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (2.90GHz), HT technology Intel Core i7-3687U processor (2 cores, 2.10GHz, 4MB cache), Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.30GHz), HT technology										do W Some: W	owngra indows indows	lled through de rights in s 8 Pro 64-t s 8 Pro 64-t	oit oit		
Memory	12GB max ⁷ / PC3-12800 1600MHz DDR3L, non-parity, dual-channel capable, 4GB memory soldered to systemboard, one 204-pin SO-DIMM socket										- Preloaded applications ⁵ (only some listed) - Windows 7 models - Lenovo [®] Message Center Plus - ThinkVantage Product Recovery - Access Connections [™] - ThinkVantage Power Manager					
Optical SATA disk	None Some: Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" wide, 7mm high, removable, upgradable Some: Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Shock Mounted Hard Drive, Active Protection System™															
M.2 SSD					via M.2 Card slot					Lenovo SimpleTap						
Widescreen display Camera	250 nits	s, 16:9 asp	pect ratio, 4	00:1 coi	or, anti-glare, LED ntrast ratio e, face tracking, fix					Adobe® Reader® Windows 8 models Lenovo Support Lenovo Companion Lenovo QuickLaunch All models Lenovo Solution Center						
Graphics	Intel HI	O Graphic	cs 4000 in p	rocesso				i DisnlavPort								
	support <i>Maximu</i>	s dual ind <i>ım externa</i>	lependent d al resolution	lisplay; n: 2560:	(1600@60Hz (Disp	olayPort	via optional	Mini DP cable)								
I/a. da a a ual			· ·		via optional Mini D			1@75HZ (VGA)	• F	assword	d Mana	ıger			
Keyboard UltraNav™ ThinkLight™	6-row, spill-resistant, multimedia Fn keys, optional LED backlight TrackPoint® pointing device and glass surface touchpad, integrated five buttons, multi-touch None										ThinkVantage System Update Fingerprint Software (fingerprint models)					
Dimensions ³ Weight ²	<i>3-cell:</i> fi	ròm 3.6 lb): 13.03" x 8 (1.63kg)	.90" x 0	.81"; 331mm x 226	6mm x 20).65mm			Lenovo Cloud Storage by SugarSync Microsoft® Office preloaded;						
Case color Case material	Graphit Display Base:	cover: Ca	arbon-fiber a		fiber hybrid;					• S	urchase Skype™	a prod	duct key to			
Battery - type Battery - life ¹⁰	Mobilel	Mark® 200	7: Windo	ws 7: up	, HW Authentication to 9.0 hr to 5.9 hr; <i>Windo</i>		to 6.4 hr			Amazon Kindle Nitro Pro PC Device Stage						
Chinast		Mark 2012				wo o. up	10 0.4 III				vernote					
Chipset ExpressCard		intel Qivi	77 Express	Cnipse	E											
Smart Card read	None None															
Multicard reader	4-in-1 re		/IC, SD, SD													
Ports PCIe WLAN ⁴					B-15, Mini Display Advanced-N 6235,				ector	_						
PCIe WWAN Carrier	None		WÁN upgra								oports The watt AC		ntage® tech er	nologies		
Bluetooth™ Ethernet					Wi-Fi + Bluetooth onection (Hanksville					EP	EAT™ Si	lver ra	tina			
Intel AMT Audio support	Some:	Intel Activ	ve Manager	nent Ted	chnology (iAMT) , Dolby® Home The	,		eakers, 1W x 2	,	GR	EENGU	ARD®	5.0-complia certified	nt		
Security	dual arr	ay microp	hone, comb	oo audic	/microphone jack					Inte	HS-comp ernation	al Warr	anty Servic	e ¹⁷		
Security chip	Power-on password, hard disk password, supervisor password, security keyhole Trusted Platform Module, TCG 1.2-compliant ader Some: AuthenTec fingerprint reader on the keyboard bezel, swipe sensor, LED indicator,											24 hour x 7 day ¹⁸ toll-free support during the warranty period ¹²				
		Power O	n Authentic	ation, su	pports the security	/ chip				For Lenovo service ²² upgrade options, please go to QP-TA sheet						
	- , 5410	, . Jan	,	- F- W.1 OC		,				ات. ر	50 10	1				

ThinkPad T431s 20AC

Type-model	Processor	Memory	Wide- screen display	Camera	Disk SATA GB ⁸ rpm	Backlit key- board	M.2 Card WLAN	M.2 Card WWAN/ SSD	Carrier	print	Finger Bat- print tery reader cells		Preload	Ann Date (mm/yy)
20AC000PUS			14.0" HD+		180G SSD		Intel 6235 ²⁸	WWAN upg					Win7 Pro64	
20AC000FUS					240G FDE SSD		Intel 6235	WWAN upg					Win7 Pro64	
20AC000MUS		-			180G SSD		Intel 6235	WWAN upg		9 -	_	-	Win7 Pro64	
20AC000EUS	i7-3687U	4+4GB	14.0" HD+	720p	240G FDE SSD	Backlit	Intel 6235	WWAN upg	None	Finger	3	vPro	Win8 Pro64	03/13
20AC0006US	i5-3437U	4GB	14.0" HD+	720p	180G SSD	Backlit	Intel 6235	WWAN upg	None	None	3	vPro	Win8 Pro64	03/13
20AC0005US	i5-3437U	4GB	14.0" HD+	720p	500G 7200	Backlit	Intel 6235	24GB SSD	None	None	3	vPro	Win8 Pro64	03/13
20AC000BUS	i5-3437U	4GB	14.0" HD+	720p	180G SSD	Backlit	Intel 6235	WWAN upg	None	Finger	3	vPro	Win8 Pro64	03/13
20AC000DUS	i7-3687U	4+4GB	14.0" HD+	720p	180G SSD	Backlit	Intel 6235	WWAN upg	None	Finger	3	vPro	Win8 Pro64	03/13
20AC000CUS	i7-3687U	4+4GB	14.0" HD+	720p	500G 7200	Backlit	Intel 6235	24GB SSD	None	Finger	3	vPro	Win8 Pro64	03/13
20AC000HUS	i7-3687U	4+4GB	14.0" HD+	720p	180G SSD	Backlit	Intel 6235	WWAN upg	None	Finger	3	vPro	Win7 Pro64	03/13
20AC000KUS	i7-3687U	4+4GB	14.0" HD+	720p	500G 7200	Backlit	Intel 6235	24GB SSD	None	Finger	3	vPro	Win7 Pro64	03/13
20AC000RUS	i5-3437U	4GB	14.0" HD+	720p	500G 7200	Backlit	Intel 6235	24GB SSD	None	None	3	vPro	Win7 Pro64	03/13

• A depot repair service 3-year limited warranty

Positioning Processor	Thin and light enterprise-class Ultrabook™; one spindle Intel® Core™ i5-3437U processor (2 cores, 1.90GHz, 3MB cache), Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (2.90GHz), HT technology Intel Core i7-3687U processor (2 cores, 2.10GHz, 4MB cache), Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.30GHz), HT technology	Preloaded operating system ²⁰ - Some: Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit
Memory	12GB max ⁷ / PC3-12800 1600MHz DDR3L, non-parity, dual-channel capable, 4GB memory soldered to systemboard, one 204-pin SO-DIMM socket	- <i>Some:</i> Windows 8 Pro 64-bit Preloaded applications ⁵ (only some
Optical SATA disk M.2 SSD	None Some: Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" wide, 7mm high, removable, upgradable Some: Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Shock Mounted Hard Drive, Active Protection System™ Some: M.2 Solid State Drive (SSD), via M.2 Card slot	listed) - Windows 7 models - Lenovo® Message Center Plus - ThinkVantage Product Recovery
Widescreen display Camera	14.0" (355mm) HD+ (1600x900) color, anti-glare, LED backlight, 250 nits, 16:9 aspect ratio, 400:1 contrast ratio HD720p resolution, low light sensitive, face tracking, fixed focus	Access Connections™ ThinkVantage Power Manager Lenovo SimpleTap Adobe® Reader®
Graphics	Intel HD Graphics 4000 in processor, supports external analog monitor via VGA DB-15 and digital monitor via Mini DisplayPort; supports dual independent display; Maximum external resolution: 2560x1600@60Hz (DisplayPort via optional Mini DP cable); 1920x1200@60Hz (single-link DVI-I via optional Mini DP cable); 2048x1536@75Hz (VGA)	Windows 8 models Lenovo Support Lenovo Companion Lenovo QuickLaunch All models
Keyboard UltraNav™ ThinkLight™	6-row, spill-resistant, multimedia Fn keys, optional LED backlight TrackPoint® pointing device and glass surface touchpad, integrated five buttons, multi-touch None	Lenovo Solution Center Password Manager ThinkVantage System Update
Dimensions ³ Weight ² Case color Case material Battery - type Battery - life ¹⁰	14.0W" (WxDxH): 13.03" x 8.90" x 0.81"; 331mm x 226mm x 20.65mm 3-cell: from 3.6 lb (1.63kg) Graphite Black Display cover: Carbon-fiber / Glass-fiber hybrid; Base: Magnesium alloy Integrated Li-Polymer 3-cell (47Whr), HW Authentication MobileMark® 2007: Windows 7: up to 9.0 hr MobileMark 2012: Windows 7: up to 5.9 hr; Windows 8: up to 6.4 hr	Fingerprint Software (fingerprint models) Lenovo Cloud Storage by SugarSync Microsoft® Office preloaded; purchase a product key to activate Skype™ Amazon Kindle
	Mobile Intel QM77 Express Chipset None None 4-in-1 reader (MMC, SD, SDHC, SDXC) Two USB 3.0 (one powered), VGA DB-15, Mini DisplayPort, ethernet (RJ-45), Dock connector	Nitro Pro PC Device Stage Evernote
PCIe WLAN⁴ PCIe WWAN	11a/b/g/n, M.2 Card, Intel Centrino® Advanced-N 6235, 2x2, Wi-Fi + BT combo adapter Some: Wireless WAN upgradable	Supports ThinkVantage® technologies
Carrier Bluetooth™ Ethernet Intel AMT Audio support Security Security chip Fingerprint reader	None Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter Intel 82579LM Gigabit Network Connection (Hanksville), PHY, PCle x1 Intel Active Management Technology (iAMT) HD Audio, Realtek® ALC3202 codec, Dolby® Home Theater® v4 / stereo speakers, 1W x 2 / dual array microphone, combo audio/microphone jack Power-on password, hard disk password, supervisor password, security keyhole Trusted Platform Module, TCG 1.2-compliant Some: AuthenTec fingerprint reader on the keyboard bezel, swipe sensor, LED indicator,	45-watt AC adapter EPEAT™ Silver rating ENERGY STAR® 5.0-compliant GREENGUARD® certified RoHS-compliant International Warranty Service¹7 24 hour x 7 day¹8 toll-free support during the warranty period¹2
Limited warranty ¹²	Power On Authentication, supports the security chip 3-years /1-yr battery - depot repair service / service upgrades ²² available	For Lenovo service ²² upgrade options, please go to QP-TA sheet

Finger 3 vPro Win7 Pro64

Finger 3 vPro Win8 Pro64

None None 3 vPro Win7 Pro64 03/13

Preload

Ann

Date

(mm/yy)

03/13

03/13

Finger Bat-print tery Intel Carrier reader cells vPro

None

None

M.2 Card WWAN/

SSD

24GB SSD

WWAN upg

ThinkPad T431s 20AC (Onsite)

Processor Memory

i7-3687U 4+4GB

i5-3437U 4GB

20AC000XUS i5-3437U 4GB

Type-model

20AC0014US

20AC0018US

Wide-

screen

display

14.0" HD+

14.0" HD+

14.0" HD+

Camera

720p

720p

720p

Disk

SATA GB⁸ rpm

180G SSD

500G 7200

180G SSD

Backlit

key-board

Card

WLAN

Backlit Intel 6235

Backlit Intel 6235

Backlit Intel 6235²⁸ WWAN upg

20/10000/03 1	J-34370 4	-GD	14.0 TIDT	120p	1000	33D	Dackiit	111161 0233	www.niupg	INOHE	INOHE	O VIII	VVIII/ 1 1004	03/13		
20AC0016US i7	7-3687U 4	l+4GB	14.0" HD+	720p	500G	7200	Backlit	Intel 6235	24GB SSD	None	Finger	3 vPro	Win7 Pro64	03/13		
20AC0010US is	5-3437U 4	GB	14.0" HD+	720p	500G	7200	Backlit	Intel 6235	24GB SSD	None	Finger	3 vPro	Win7 Pro64	03/13		
20AC000WUS is	5-3437U 4	GB	14.0" HD+	720p	180G	SSD	Backlit	Intel 6235	WWAN upg	None	None	3 vPro	Win8 Pro64	03/13		
20AC0012US is	5-3437U 4	GB	14.0" HD+	720p	500G	7200	Backlit	Intel 6235	24GB SSD	None	Finger	3 vPro	Win8 64	03/13		
20AC001AUS i7	7-3687U 4	+4GB	14.0" HD+	720p	180G	SSD	Backlit	Intel 6235	WWAN upg	None	Finger	3 vPro	Win7 Pro64	03/13		
20AC001CUS i7	7-3687U 4	+4GB	14.0" HD+	720p	240G	FDE SSD	Backlit	Intel 6235	WWAN upg	None			Win7 Pro64			
20AC000TUS is	5-3437U 4	GB	14.0" HD+	720p	500G	7200	Backlit	Intel 6235	24GB SSD	None	None	3 vPro	Win7 Pro64	03/13		
20AC000VUS is	5-3437U 4	GB	14.0" HD+	720p	500G	7200	Backlit	Intel 6235	24GB SSD	None	None	3 vPro	Win8 Pro64	03/13		
20AC0013US is	5-3437U 4	GB	14.0" HD+	720p	180G	SSD	Backlit	Intel 6235	WWAN upg	None	Finger	3 vPro	Win8 64	03/13		
20AC001EUS i7	7-3687U 4	+4GB	14.0" HD+	720p	240G	FDE SSD	Backlit	Intel 6235	WWAN upg	None	Finger	3 vPro	Win8 Pro64	03/13		
20AC0019US i7	7-3687U 4	+4GB	14.0" HD+	720p	180G	SSD	Backlit	Intel 6235	WWAN upg	None	Finger	3 vPro	Win8 Pro64	03/13		
Positioning Processor Thin and light enterprise-class Ultrabook™; one spindle Intel® Core™ i5-3437U processor (2 cores, 1.90GHz, 3MB cache), Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (2.90GHz), HT technology Intel Core i7-3687U processor (2 cores, 2.10GHz, 4MB cache), Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.30GHz), HT technology										Preloaded operating system ²⁰ - Some: Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit						
Memory								hannel capa Il socket	able,		- Some: Windows 8 64-bit - Some: Windows 8 Pro 64-bit					
Optical SATA disk	AGB memory soldered to systemboard, one 204-pin SO-DIMM socket None Some: Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" wide, 7mm high, removable, upgradable Some: Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm or 9.5mm high,									Preloaded applications ⁵ (only some listed) - Windows 7 models						
M.2 SSD	removable, upgradable, Shock Mounted Hard Drive, Active Protection System™ Some: M.2 Solid State Drive (SSD), via M.2 Card slot										Lenovo® Message Center Plus ThinkVantage Product Recovery					
Widescreen display Camera	14.0" (355mm) HD+ (1600x900) color, anti-glare, LED backlight, 250 nits, 16:9 aspect ratio, 400:1 contrast ratio HD720p resolution, low light sensitive, face tracking, fixed focus										 Access Connections™ ThinkVantage Power Manager Lenovo SimpleTap 					
Graphics	Intel HD Graphics 4000 in processor, supports external analog monitor via VGA DB-15 and digital monitor via Mini DisplayPort; supports dual independent display; Maximum external resolution: 2560x1600@60Hz (DisplayPort via optional Mini DP cable); 1920x1200@60Hz (single-link DVI-I via optional Mini DP cable); 2048x1536@75Hz (VGA)									Adobe® Reader® Windows 8 models Lenovo Support Lenovo Companion Lenovo QuickLaunch All models Lenovo Solution Center Password Manager						
Keyboard UltraNav™ ThinkLight™	6-row, spill-resistant, multimedia Fn keys, optional LED backlight TrackPoint® pointing device and glass surface touchpad, integrated five buttons, multi-touch None															
Dimensions ³ Weight ² Case color Case material	14.0W" (WxDxH): 13.03" x 8.90" x 0.81"; 331mm x 226mm x 20.65mm 3-cell: from 3.6 lb (1.63kg) Graphite Black Display cover: Carbon-fiber / Glass-fiber hybrid;									ThinkVantage System Update Fingerprint Software (fingerprint models) Lenovo Cloud Storage						
Battery - type Battery - life ¹⁰	Base: Magnesium alloy Integrated Li-Polymer 3-cell (47Whr), HW Authentication MobileMark® 2007: Windows 7: up to 9.0 hr MobileMark 2012: Windows 7: up to 5.9 hr; Windows 8: up to 6.4 hr								by SugarSync • Microsoft® Office preloaded; purchase a product key to activate • Skype™							
Chipset ExpressCard Smart Card read Multicard reader Ports	Mobile Intel QM77 Express Chipset None None									 Nitro 	evice Sta					
PCIe WLAN ⁴ PCIe WWAN Carrier	Some: W		ard, Intel Ce WAN upgra		Advan	ced-N 623	5, 2x2, W	/i-Fi + BT co	mbo adapter		Support	s Think\	/antage® techn	nologies		
Bluetooth™ Ethernet Intel AMT Audio support	None Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter Intel 82579LM Gigabit Network Connection (Hanksville), PHY, PCIe x1 Intel Active Management Technology (iAMT) HD Audio, Realtek® ALC3202 codec, Dolby® Home Theater® v4 / stereo speakers, 1W x 2 / dual array microphone, combo audio/microphone jack									2/	Supports ThinkVantage® technologies 45-watt AC adapter EPEAT™ Silver rating ENERGY STAR® 5.0-compliant GREENGUARD® certified RoHS-compliant					

Power-on password, hard disk password, supervisor password, security keyhole Trusted Platform Module, TCG 1.2-compliant

Fingerprint reader Some: AuthenTec fingerprint reader on the keyboard bezel, swipe sensor, LED indicator, Power On Authentication, supports the security chip

Limited warranty¹² **3-years**/1-year battery, **limited onsite service**²⁴, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time/service upgrades²² available

Security

Security chip

RoHS-compliant

International Warranty Service¹⁷
24 hour x 7 day¹⁸ toll-free support during the warranty period¹²

For Lenovo service²² upgrade options, please go to QP-TA sheet