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) - Onsite

Type-model	Processor	Momory	Wide- screen display	Disk SATA GB ⁸ rpm	Backlit key- board	M.2 Card WLAN	M.2 Card WWAN/ SSD	SIM card	Smart Card Reader	Intel AMT	Intel vPro	Preload	Ann Date (mm/yy)
20AA000E++	i7-3687U	4+4GB	14.0" HD+	240G FDE SSD	Backlit	Intel 6235 ²⁸		selectable	None	iAMT	vPro	Win7 Pro64	
20AA0012++	i7-3687U	4+4GB	14.0" HD+	240G FDE SSD	Backlit	Intel 6235	Ericsson	selectable	None	iAMT	vPro	Win7 Pro64	03/13
20AA0014++	i5-3337U	4GB	14.0" HD+	180G SSD	Backlit	Intel 6235	Ericsson	selectable	Smart	None	No	Win7 Pro64	03/13
20AA0015++	i5-3337U	4GB	14.0" HD+	180G SSD	Backlit	Intel 6235	Ericsson	selectable	Smart	None	No	Win7 Pro64	03/13
20AA0016++	i5-3337U	4GB	14.0" HD+	500G 7200	Backlit	Intel 6235	24GB SSD	None	None	None	No	Win7 Pro64	03/13
20AA0018++	i5-3437U	4GB	14.0" HD+	180G SSD	Backlit	Intel 6235	Ericsson	selectable	Smart	iAMT	vPro	Win7 Pro64	03/13
20AA0019++	i5-3437U	4GB	14.0" HD+	180G SSD	Backlit	Intel 6235	Ericsson	selectable	Smart	iAMT	vPro	Win7 Pro64	03/13
20AA001A++	i5-3437U	4GB	14.0" HD+	500G 7200	Backlit	Intel 6235	24GB SSD	None	Smart	iAMT	vPro	Win7 Pro64	03/13
20AA001C++	i7-3687U	4+4GB	14.0" HD+	240G FDE SSD	Backlit	Intel 6235	Ericsson	selectable	None	iAMT	vPro	Win8 Pro64	03/13
20AA001D++	i7-3687U	4+4GB	14.0" HD+	240G FDE SSD	Backlit	Intel 6235	Ericsson	selectable	None	iAMT	vPro	Win8 Pro64	03/13
20AA001F++	i5-3337U	4GB	14.0" HD+	180G SSD	Backlit	Intel 6235	Ericsson	selectable	Smart	None	No	Win8 Pro64	03/13
20AA001G++	i5-3337U	4GB	14.0" HD+	180G SSD	Backlit	Intel 6235	Ericsson	selectable	Smart	None	No	Win8 Pro64	03/13
20AA001H++	i5-3337U	4GB	14.0" HD+	500G 7200	Backlit	Intel 6235	24GB SSD	None	None	None	No	Win8 Pro64	03/13
20AA001K++	i5-3437U	4GB	14.0" HD+	180G SSD	Backlit	Intel 6235	Ericsson	selectable	Smart	iAMT	vPro	Win8 Pro64	03/13
20AA001L++	i5-3437U	4GB	14.0" HD+	180G SSD	Backlit	Intel 6235	Ericsson	selectable	Smart	iAMT	vPro	Win8 Pro64	03/13
20AA001M++	i5-3437U	4GB	14.0" HD+	500G 7200	Backlit	Intel 6235	24GB SSD	None	Smart	iAMT	vPro	Win8 Pro64	03/13

Country Code"++": AT (Austria), FR (France), GB (Germany w/ English OS), GE (Germany w/ German OS), IV (Israel), IW (Iceland), IX (Italy), MB (Belgium), MD (Denmark), MH (Netherlands), ML (Luxembourg), MN (Norway), MS (Sweden), MZ (Switzerland), NX (Netherlands), PG (Portugal), SP (Spain), UK (United Kingdom) Note: models listed above might not be available in all WE countries

Note. Induets listed	above mignt not be available in all vv⊨ countries	
Positioning Processor	Thin and light enterprise-class Ultrabook™; one spindle Intel® Core™ i5-3337U processor (2 cores, 1.80GHz, 3MB cache), Intel HD Graphics 4000, 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 12GB max ⁷ / PC3-12800 1600MHz DDR3L, non-parity, dual-channel capable,	Preloaded operating system ^{20F} - Some: Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit - Some: Windows 8 Pro 64-bit Preloaded applications ⁵ (only some listed)
	4GB memory soldered to systemboard, one 204-pin SO-DIMM socket	- Windows 7 models
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™	Lenovo® Message Center Plus ThinkVantage Product Recovery Access Connections™ ThinkVantage Power Manager
M.2 SSD	Some: M.2 Solid State Drive (SSD), via M.2 Card slot	Lenovo SimpleTap Adobe® Reader®
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	- Windows 8 models - Lenovo Support
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)	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	ThinkVantage System Update Fingerprint Software (fingerprint models)
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	Lenovo Cloud Storage by SugarSync Microsoft® Office preloaded; purchase a product key to activate Norton™ Internet Security (30 days of virus definitions) Skype™ AccuWeather
Chipset ExpressCard Smart Card read Multicard reader Ports	Mobile Intel QM77 Express Chipset None Some: Smart Card reader 4-in-1 reader (MMC, SD, SDHC, SDXC) Two USB 3.0 (one powered), VGA DB-15, Mini DisplayPort, ethernet (RJ-45), Dock connector	Amazon Kindle Intel AppUp® Nitro Pro PC Device Stage Evernote
PCIe WLAN⁴ PCIe WWAN SIM card Bluetooth™ Ethernet	11a/b/g/n, M.2 Card, Intel Centrino® Advanced-N 6235, 2x2, Wi-Fi + BT combo adapter Some: Wireless WAN, Ericsson® N5321, HSPA+ 21Mbps/GSM/GPRS/EDGE, GPS, M.2 Card Some: User selectable, contract required with service provider Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter Intel 82579LM Gigabit Network Connection (Hanksville), PHY, PCIe x1	
Intel AMT Audio support	Some: Intel Active Management Technology (iAMT) HD Audio, Realtek® ALC3202 codec, Dolby® Home Theater® v4 / stereo speakers, 1W x 2 /	Supports ThinkVantage® technologies
Security Security chip	dual array microphone, combo audio/microphone jack Power-on password, hard disk password, supervisor password, security keyhole Trusted Platform Module, TCG 1.2-compliant r AuthenTec fingerprint reader on the keyboard bezel, swipe sensor, LED indicator, Power On Authentication, supports the security chip	45-watt AC adapter EPEAT™ Silver rating ENERGY STAR® 5.0-compliant GREENGUARD® certified RoHS-compliant
Limited warranty ¹²	² 3-years/1-year battery, limited onsite service ²⁴ , 8 am - 5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available	International Warranty Service ¹⁷ 24 hour x 7 day ¹⁸ toll-free support during the warranty period ¹²

ThinkPad T431s 20AA (TopSeller) - Onsite - II

Type-model	Processor	Memory	Wide- screen display	Disk SATA GB⁵ rpm	Backlit key- board	M.2 Card WLAN	M.2 Card WWAN/ SSD	SIM card	Smart Card Reader	Intel AMT	Intel vPro	Preload	Ann Date (mm/yy)
20AA002A++	i7-3687U	4+4GB	14.0" HD+	256G SSD OPAL	Backlit	Intel 6235 ²⁸	Ericsson	selectable	None	iAMT	vPro	Win7 Pro64	06/13
20AA002B++	i5-3437U	4GB	14.0" HD+	256G SSD OPAL	Backlit	Intel 6235	Ericsson	selectable	Smart	iAMT	vPro	Win8 Pro64	06/13
20AA002C++	i5-3437U	4GB	14.0" HD+	256G SSD OPAL	Backlit	Intel 6235	Ericsson	selectable	Smart	iAMT	vPro	Win7 Pro64	06/13
20AA002H++	i5-3337U	4GB	14.0" HD+	256G SSD OPAL	Backlit	Intel 6235	Ericsson	selectable	Smart	None	No	Win8 Pro64	06/13
20AA002J++	i5-3337U	4GB	14.0" HD+	256G SSD OPAL	Backlit	Intel 6235	Ericsson	selectable	Smart	None	No	Win7 Pro64	06/13
20AA002P++	i5-3437U	4GB	14.0" HD+	256G SSD OPAL	None	Intel 6235	Ericsson	selectable	Smart	iAMT	vPro	Win7 Pro64	06/13
20AA002Q++	i5-3437U	4GB	14.0" HD+	256G SSD OPAL	None	Intel 6235	Ericsson	selectable	Smart	iAMT	vPro	Win8 Pro64	06/13
20AA002T++	i5-3437U	4GB	14.0" HD+	256G SSD OPAL	Backlit	Intel 6235	Ericsson	selectable	Smart	iAMT	vPro	Win7 Pro64	06/13
20AA002U++	i5-3437U	4GB	14.0" HD+	256G SSD OPAL	Backlit	Intel 6235	Ericsson	selectable	Smart	iAMT	vPro	Win8 Pro64	06/13
20AA002V++	i7-3687U	4+4GB	14.0" HD+	256G SSD OPAL	Backlit	Intel 6235	Ericsson	selectable	None	iAMT	vPro	Win8 Pro64	06/13

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Positioning Processor	Thin and light enterprise-class Ultrabook™; one spindle Intel® Core™ i5-3337U processor (2 cores, 1.80GHz, 3MB cache), Intel HD Graphics 4000, 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	Preloaded operating system ^{20F} - Some: Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit - Some: 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	Preloaded applications ⁵ (only some listed)		
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™	Windows 7 models Lenovo® Message Center Plus ThinkVantage Product Recovery Access Connections™ ThinkVantage Power Manager		
M.2 SSD	None	Lenovo SimpleTap		
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	Adobe® Reader® Windows 8 models		
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)	Lenovo Support Lenovo Companion Lenovo QuickLaunch All models Lenovo Solution Center		
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	 Password Manager ThinkVantage System Update Fingerprint Software (fingerprint models) 		
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	Lenovo Cloud Storage by SugarSync Microsoft® Office preloaded; purchase a product key to activate Norton™ Internet Security (30 days of virus definitions) Skype™ AccuWeather		
Chipset ExpressCard Smart Card read Multicard reader Ports	Mobile Intel QM77 Express Chipset None Some: Smart Card reader 4-in-1 reader (MMC, SD, SDHC, SDXC) Two USB 3.0 (one powered), VGA DB-15, Mini DisplayPort, ethernet (RJ-45), Dock connector	Amazon Kindle Intel AppUp® Nitro Pro PC Device Stage Evernote		
PCIe WLAN ⁴ PCIe WWAN SIM card Bluetooth TM Ethernet Intel AMT Audio support Security Security chip	11a/b/g/n, M.2 Card, Intel Centrino® Advanced-N 6235, 2x2, Wi-Fi + BT combo adapter Wireless WAN, Ericsson® N5321, HSPA+ 21Mbps/GSM/GPRS/EDGE, GPS, M.2 Card User selectable, contract required with service provider Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter Intel 82579LM Gigabit Network Connection (Hanksville), PHY, PCle x1 Some: 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	Supports ThinkVantage® technologies 45-watt AC adapter EPEAT™ Silver rating ENERGY STAP® 5.0 compliant		
Fingerprint reader	AuthenTec fingerprint reader on the keyboard bezel, swipe sensor, LED indicator, Power On Authentication, supports the security chip 3-years/1-year battery, limited onsite service ²⁴ , 8 am - 5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business	ENERGY STAR® 5.0-compliant GREENGUARD® certified RoHS-compliant International Warranty Service ¹⁷ 24 hour x 7 day¹8 toll-free support		
	day for service dispatch / service upgrades available	during the warranty period ¹²		

Type-model	Processor Mem	Wide- screen ory display	Disk SATA GB [®] rpm	Backlit key- board	M.2 Card WLAN	M.2 Card WWAN/ SSD	Finger print reader	Blue- tooth	Bat- tery cells	G Intel vPro	Global (C GMP (P)	Preload	Ann Date (mm/yy)
20AC000A++	i5-3437U 4G	3 14.0" HD+	500G 7200	Backlit	Intel 6235 ²⁸	24GB	Finger	ВТ	3	vPro	G	Win8 Pro64	03/13

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Positioning Processor Thin and light enterprise-class Ultrabook™; one spindle Intel® Core™ i5-3437U processor (2 cores, 1.90GHz, 3MB cache), Intel HD Gra DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (2.90GHz), HT to	echnology							
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)							
Optical SATA disk Some: Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" wide, 7mm high, removable, Some: Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Shock Mounted Hard Drive, Active Protection Systems	■ Access Connections™							
M.2 SSD M.2 Solid State Drive (SSD), via M.2 Card slot	Lenovo SimpleTap							
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	Adobe® Reader® Windows 8 models Langua Support							
Graphics Intel HD Graphics 4000 in processor, supports external analog monitor via VGA DB-15 and digital monitor via Mini Disp supports dual independent display; Maximum external resolution: 2560x1600@60Hz (DisplayPort via optional Mini D 1920x1200@60Hz (single-link DVI-I via optional Mini DP cable); 2048x1536@75H	P cable); Hz (VGA) - All models • Lenovo Solution Center							
Keyboard UltraNav™ ThinkLight™ Tone ThinkLight™ Tone ThinkLight™ Tone ThinkLight™ Tone ThinkLight™ Tone Tone Tone Tone Tone Tone Tone Tone	Password Manager ThinkVantage System Update							
Dimensions ³ Weight ² Case color Case material Battery - life ¹⁰ Battery - life ¹⁰ Battery - life ¹⁰ Windows 7: up to 5.9 hr; Windows 8: up to 6.4 hr	 Lenovo Cloud Storage by SugarSync Microsoft® Office preloaded; purchase a product key to activate Norton™ Internet Security (30 days of virus definitions) Skype™ AccuWeather 							
Chipset ExpressCard None None Multicard reader Ports PCIe WLAN ⁴ Mobile Intel QM77 Express Chipset None None None None None None None None								
PCIe WWAN SIM card None Bluetooth™ Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter Ethernet Intel 82579LM Gigabit Network Connection (Hanksville), PHY, PCIe x1 Intel AMT Audio support HD Audio, Realtek® ALC3202 codec, Dolby® Home Theater® v4 / stereo speakers dual array microphone, combo audio/microphone jack Power-on password, hard disk password, supervisor password, security keyhole Trusted Platform Module, TCG 1.2-compliant Fingerprint reader AuthenTec fingerprint reader on the keyboard bezel, swipe sensor, LED indicator, Power On Authentication, supports the security chip Limited warranty¹² 3-years/1-yr battery - depot repair service / service upgrades²² available	Supports ThinkVantage® technologies 45-watt AC adapter EPEAT™ Silver rating ENERGY STAR® 5.0-compliant GREENGUARD® certified BoHS-compliant							
See footnotes for more detailed information © Lenovo								

(G-ST1-1) June 2013