ThinkCentre X1 Platform Specifications

| Optical Some: SATA 6.0Gb/s, 2.5" Wide, 5400 rpm or 7200 rpm or 72 | Processor | Intel® 6th Generation Intel Core™ i3 / i5 / i7 Processor | | | | | | | Security features | Security slot (in rear for attachment of Power-on, admin, hard disk password | | |
|--|-------------------------|--|----------------------------------|------------------------------------|-----------|----------------|----------------|-------|--|--|--|--|
| Corte 1-6-2000 274 2.3 G / 2.8 G 3 MB DDR+2:133 HD 520 No Corte 1-6-3000 274 2.4 G / 3.0 G 3 MB DDR+2:133 HD 520 No Corte 1-6-3000 274 2.6 G / 3.0 G 3 MB DDR+2:133 HD 520 No Corte 1-6-3000 274 2.6 G / 3.0 G 3 MB DDR+2:133 HD 520 No Corte 1-6-3000 274 2.6 G / 3.4 G 4 MB DDR+2:133 HD 520 No Corte 1-6-3000 274 2.6 G / 3.4 G 4 MB DDR+2:133 HD 520 No Corte 1-6-3000 274 2.6 G / 3.4 G 4 MB DDR+2:133 HD 520 No Corte 1-6-3000 No Corte | | | Threads Base/Max(GHz) Cache Memo | | | | Graphics vPro | | | Kensington lock also locks chassis) • Boot without keyboard and mouse | | |
| Core is-6300U 2 / 4 2 6 3 / 3 6 4 MB DPR4-2133 HD 520 VPro Core is-6300U 2 / 4 2 6 3 / 3 6 4 MB DPR4-2133 HD 520 VPro Core is-6300 VPro Co | | | | | | | | | | mouse only, blocks all storage devices • Optional chassis intrusion switch | | |
| Coffe 5-8300U 27.4 2.9 (7.3 0.0 d 3 Me) Dibre-2133 HD 520 WP10 Intel Architecture (IA) Soc that integrates larlet processor core, graphics, memory controller, and for interface into a single system-on-chip polition of unitariase into a single system of unitaria into processor, uses main memory. Directx* 12, political into processor into a single system of unitaria into processor into unitaria into unitaria into processor into | | | | | + + | | | | Keyboard | Some: Lenovo Slim USB Keyboard (USB connector), black | | |
| Intel Architecture (IA) SoC that integrates Intel processor core, graphics, memory controller, and I/O interfaces into a single system—on-chip solution of single system—on-chip solution on the single system—on-chip solution on the single system—on-chip solution on the single system—on-chip solution of the single system on-chip solution of the single system on single system on-chip solution of the single system on single system on-chip solution of the single system on single system system on single system sy | | | - | | _ | | | | Marian | Some: Ultraslim Plus Wireless Keyboard (2.4GHz via USB receiver), black | | |
| memory 16GB max, DDR4 2133, one 266-pin SO-DIMM socket Some: SATA 6 GGbs, 2,5° Wide, 5400 pm or 7200 pm Some: Solid State Hybrid Drive (SSEI) / 3ATA 6,0Gbs, 2,5° Wide Some: Solid State Hybrid Drive (SSEI) / 3ATA 6,0Gbs, 2,5° Wide None Optical Op | | | | | | | | | Mouse | Some: Enhanced Optical USB Mouse, black, Lenovo logo Some: Ultraslim Plus Wirologs Mouse (2,4GHz via USB receiver), black | | |
| Memory 16GB max, DDR4 2133, one 260-pin SO-DIMM socket | | | | | | | | | Mechanical | , | | |
| Some: Solid State Hybrid Dirve (SSHD) / with 80B MLC NAND flash memory, Some: Solid State Hybrid Dirve (SSHD) / with 80B MLC NAND flash memory, Some: Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5° Wide None Optional 9-in-1 media card reader Optional 9-in-1 media | Memory | | | | | | | | Toolless back cover and memory removal | | | |
| SATA 6.0Gb/s, 2.5° Wide, 5400 rpm Some: Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5° Wide More of None More o | Disk | Some: Solid State Hybrid Drive (SSHD) / with 8GB MLC NAND flash memory, SATA 6.0Gb/s, 2.5" Wide, 5400 rpm Some: Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" Wide | | | | | | | | | | |
| Some: Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5° Wide None Optional 9-in-1 media card reader Optional 9-in-1 media optional 9- | | | | | | | | ory, | | \ | | |
| Media reader Optional 9-in-1 media card reader Graphics So in processor, uses main memory, DirectX* 12, external monitor support via DisplayPort™: Max resolution: 4986x2304 (DP) ® 6Dt 2 Optional DP to VGA, DP to DVI-D (single link), or DP to HDMI 1.4 dongle 28.8* (604.5mm) Full HD 10809 (1928 xto). PS panel, wide viewing angle (+/- 89*). LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio, anti-glare, work as standalone monitor via DisplayPort (DP in / out combo) None None None Controls Controls Three USB 3.0, ethernet (RJ-45), DisplayPort in/out combo port, Two USB 3.0 (one is Always On and fast charge), optional card reader, one headphone / microphone / microphone or microphone in the local backles one headphone / microphone with controls controls (3.5mm) MLAN® Some: 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 8260, Wi-Fi + Bluetooth 4.1 combo adapter, Intel Dual Band Wireless-AC 8260, Wi-Fi + Bluetooth 4.1 combo adapter, Intel Dual Band Wireless-AC 8260, Some: 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 8260, Some: 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 8260, Some: 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 8260, Some: 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 8260, Some: 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 8260, Some: 11ac wireless and Park Intel Dual Band Wireless-AC 8260, Some: 11ac wireless and Park Intel Dual Band Wireless-AC 8260, Intel One Adapter Intel Park Intel Dual Band Wireless-AC 8260, Intel One Adapter Intel Park Intel Dual Band Wireless-AC 8260, Intel VPro technology on some models (require choosing a vPro-support Wi-Fi adapter to enable vPro Lucken Hough wireless connection) Manageability Manageability Media ratio Adapter, 220 Deloy* Audio* Certified Some Table VPro technology and the park Intel Dual Band Wireless-AC 8260, Intel VPro technology on some models (require choosing a vPro-support Wi-Fi adapter to enable vPro Lucken Hough wireless connection) Manageability Manageability Media ratio Adapte | | | | | | | | | | Without Stand: 570 X 33 X 360 (mm) 8.8 / 4 | | |
| Intel HD Graphics 520 in processor, uses main memory, DirectX® 12, external monitor support via DisplayPort™, Max resolution: 4096x2304 (DP) @60H2 | Optical Media reader | | | | | | | | | | | |
| DP Dongle DP DN 1 dongle DP Dongle DP Dongle DP Dongle DP Dongle DP Dongle DP DN 1 dongle DP DN 1 dongle DP Dongle De Dongle DP Dongle De Dongle DP Dongle De Dongle | Graphics | | | | | | | | Power supply | | | |
| DP Dongle Display Special DP to VGA, DP to DVi-D (single link), or DP to HDMI 1.4 dongle 23.8 "(60.4.5mm) Full HD 1080p (1922/1080) TFT color, IPS panel, wide viewing angle (+/- 89°), LED backlight, 250 nits, 16°9 aspect ratio, 1000:1 contrast ratio, anti-glare, work as standalone monitor via DisplayPort (DP in / out combo) None None Camera (Delivery) (DP to Proceedings of the None None None (Delivery) (DP to Proceedings of the None None None None (Delivery) (DP to Proceedings of the None None None (Delivery) (DP to Proceedings of the None None None (Delivery) (DP to Proceedings of the None None None (DP to None None (DP to None None (DP to None None (DP to None None None None (DP to None None None (DP to None None None None None None None Non | | external monitor support via DisplayPort™; Max resolution: 4096x2304 (DP)@60Hz | | | | | | | | | | |
| angle (+/- 89°), LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio, anti-glare, work as standalone monitor via DisplayPort (DP in / out combo) None None None Camera anti-glare, work as standalone monitor via DisplayPort (DP in / out combo) None None Oxome: Windows*? Professional 29/64 preinstalled through downgrade rights in Windows* 10 Pro 64-bit Some: Windows*? Professional 29/64 preinstalled through downgrade rights in Windows* 10 Pro 64-bit Some: Windows* 7 Professional 29/64 preinstalled through downgrade rights in Windows* 10 Pro 64-bit Some: Windows* 7 Professional 29/64 because the new Windows* 10 Pro 64-bit Some: Windows* 10 Pr | DP Dongle | | | | ink), or | DP to HDMI 1.4 | 4 dongle | awina | Limited warranty | Some: 3-years, limited onsite service, OID (Onsite International Delivery) / | | |
| Light sensor Willit-bouch None None Audit-ouch Camera Controls Controls Controls Chipset Intel System-on-Chip (SoC) platform Rear ports Side ports Side ports One M.2 Card slot Audio support Audio support Diby® Audio™ certified, Skype for Business certified WILAN¹³ Some: 11ac wireless, M.2 Card, Unalcomm Atheros QCA6174 (dual band), WF.ii- Bluetooth 4.1 comb adapter, 22² Some: 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 8260, WF.ii- Bluetooth 4.0 or 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter, 22² Some: Bluetooth™ Bluetooth™ Siluction™ Bluetooth™ Manageability Mindows 10 Pro 64-bit Some: Windows 10 Pro 64-bit Some: Windows 10 Pro 64-bit Some: Windows 10 Pro 64-bit Windows 10 Pro 64-bit Some: Windows 10 Pro 64-bit Windows 10 Pro 64-bit Some: Windows 10 Pro 64-bit Windows 10 Pro 6 | Бізріаў | angle (+/- 89°), LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio, | | | | | | tio, | Prolond | , | | |
| Uniti-touch Camera 2.0-megapixel camera, fixed focus, supports 1080p, with dual array digital microphone, LED indicator, physical switch on/off, Skype for Business certified Microphone mute, DP in / out switch, and power button Chipset Intel System-on-Chip (SoC) platform Three USB 3.0, ethernet (RJ-45), DisplayPort in/out combo port, Two USB 3.0 (one is Always On and fast charge), optional card reader, one headphone / microphone combo jack (3.5mm) One M.2 Card slot (for MLAN) Audio support MLAN¹³ Some: 11ac wireless, M.2 Card, Qualcomm Atheros QCA6174 (dual band), Wi-Fi + Bluetooth 4.1 combo adapter, 2x2 Some: 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 8260, Wi-Fi + Bluetooth 4.1 combo adapter, 2x2 Some: 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 8260, Wi-Fi + Bluetooth 4.0 or 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter, filted Pro technology support Gigabit ethernet, Intel Ethernet Connection [219-LM (Jacksonville), Wake on LAN° Manageability Intel Active Management Technology 11.0 (Intel AMT 11.0) on some models; Intel VPro technology on some models (require choosing a vPro-support Wi-Fi Trusted Platform Module (TPM 1.2-compliant) District Survivable (require choosing a vPro-support Wi-Fi Trusted Platform Module (TPM 1.2-compliant) District Survivable (require choosing a vPro-support Wi-Fi Trusted Platform Module (TPM 1.2-compliant) District Survivable (require choosing a vPro-support Wi-Fi Trusted Platform Module (TPM 1.2-compliant) | Limbtones | | | | | | | | rieloau | | | |
| 2.0-megapixel camera, fixed focus, supports 1080p, with dual array digital microphone, LED indicator, physical switch on/off, Skype for Business certified Microphone mute, DP in / out switch, and power button Intel System-on-Chip (SoC) platform | | | | | | | | | | preinstalled through downgrade • Desktop Power Manager | | |
| Controls Microphone mute, DP in / out switch, and power button | Camera | 2.0-megapixel ca | | | | | | | | | | |
| Microphone mute, DP in / out switch, and power button Intel System-on-Chip (SoC) platform Three USB 3.0, ethernet (RJ-45), DisplayPort in/out combo port, Two USB 3.0, othe is Always On and fast charge), optional card reader, one headphone / microphone combo jack (3.5mm) Audio support Audio support High Definition (HD) Audio, Realtek ALC233 / two internal speakers (5W x 2), Dolby® Audio™ certified, Skype for Business certified WLAN¹³ Some: Windows 10 Home 64-bit (for models with Wi-Fi/BT card) Microsoft Office preloaded; purchase a product key to activate elenovo ThinkVantage Tools On M.2 Card slot (for WLAN) Audio support High Definition (HD) Audio, Realtek ALC233 / two internal speakers (5W x 2), Dolby® Audio™ certified, Skype for Business certified WLAN¹³ Some: 11ac wireless, M.2 Card, Qualcomm Atheros QCA6174 (dual band), Wi-Fi + Bluetooth 4.1 combo adapter, 2x2 Some: 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 8260, Wi-Fi + Bluetooth 4.1 combo adapter, 2x2 Some: 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 8260, Wi-Fi + Bluetooth 4.1 combo adapter, 2x2 Some: 3 Suetooth 4.0 or 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter gigabit ethernet, Intel Ethernet Connection 1219-LM (Jacksonville), Wake on LAN® Manageability Intel Active Management Technology 11.0 (Intel AMT 11.0) on some models; Intel VPro technology on some models (require choosing a VPro-support Wi-Fi adapter to enable vPro function through wireless connection) Trusted Platform Module (TPM 1.2-compliant) For compatible accessories, please go to TC-AQP sheet | 0 | | | | | ,, | iness certifie | ed | | | | |
| Three USB 3.0, ethernet (RJ-45), DisplayPort in/out combo port, Two USB 3.0 (one is Always On and fast charge), optional card reader, one headphone / microphone combo jack (3.5mm) One M.2 Card slot (for WLAN) Audio support High Definition (HD) Audio, Realtek ALC233 / two internal speakers (5W x 2), Dolby® Audio™ certified, Skype for Business certified WLAN¹S Some: 11ac wireless, M.2 Card, Qualcomm Atheros QCA6174 (dual band), Wi-Fi + Bluetooth 4.1 combo adapter, 2x2 Some: 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 8260, Wi-Fi + Bluetooth 4.1 combo adapter, 2x2 Some: 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 8260, Wi-Fi + Bluetooth 4.0 or 4.1 wireless, integrated in Wi-Fi + Bluetooth 4.1 combo adapter, 2x2 Some: Bluetooth 4.0 or 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter Ethernet Manageability Intel Active Management Technology 11.0 (Intel AMT 11.0) on some models; Intel VPro technology on some models (require choosing a vPro-support Wi-Fi adapter to enable vPro function through wireless connection) Trusted Platform Module (TPM 1.2-compliant) **Microseth Cfifice priodeder, Microseth Qfice Live Safe™ (30-day trial) Microseth Cfifice product key to activate Lenovo ThinkVantage Tools Conly for Window 10 • Lenovo Companion - Only for Window 7 • Rescue and Recovery • Password Manager • ThinkVantage System Update • Lenovo Message Center Plus • Adobe® Reader® • ThinkVantage System Update • Lenovo Message Center Plus • Adobe® Reader® TUV Green Mark; ULE Gold; ErP Lot 3; GREENGUARD® certified; RoHS-compliant Accessories For compatible accessories, please go to TC-AQP sheet | Controls | Microphone mute, DP in / out switch, and power button | | | | | | | | Some: Windows 10 Home 64-bit • Lenovo Bluetooth Lock (for models with Wi-Fi/BT card) • McAfee® LiveSafe™ (30-day trial) | | |
| Haar ports Side ports Time USB 3.0, ethernet (RJ-4s), DisplayPort in/out combo port, Two USB 3.0, ethernet (RJ-4s), DisplayPort in/out combo port, Two USB 3.0, ethernet (RJ-4s), DisplayPort in/out combo port, Two USB 3.0, ethernet (RJ-4s), DisplayPort in/out combo port, Two USB 3.0, ethernet (RJ-4s), DisplayPort in/out combo port, Two USB 3.0, ethernet (RJ-4s), DisplayPort in/out combo port, Two USB 3.0, ethernet (RJ-4s), DisplayPort in/out combo port, Two USB 3.0, ethernet (RJ-4s), DisplayPort in/out combo adder, Two USB 3.0, ethernet (RJ-4s), DisplayPort in/out combo adder, Two USB 3.0, ethernet (RJ-4s), DisplayPort in/out combo adder, Two USB 3.0, ethernet (RJ-4s), DisplayPort in/out combo adder, Two USB 3.0, ethernet (RJ-4s), DisplayPort in/out combo adder, Two USB 3.0, ethernet (RJ-4s), DisplayPort in/out combo adder, Two USB 3.0, one is a two understance in the second in the sec | Chipset | | | | | | | | | | | |
| INO USB 3.0 (one is Always of Dand fast charge), optional card reader, one headphone / microphone combo jack (3.5mm) M.2 card slot one headphone / microphone combo jack (3.5mm) One M.2 Card slot (for WLAN) Audio support one headphone / microphone combo jack (3.5mm) High Definition (HD) Audio, Realtek ALC233 / two internal speakers (5W x 2), Dolby® Audio™ certified, Skype for Business certified WLAN¹³ Some: 11ac wireless, M.2 Card, Qualcomm Atheros QCA6174 (dual band), Wi-Fi + Bluetooth 4.1 combo adapter, 2x2 Some: 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 8260, Wi-Fi + Bluetooth 4.1 combo adapter, 2x2 Some: 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 8260, Wi-Fi + Bluetooth 4.1 combo adapter, 2x2 Some: Bluetooth 4.1 combo adapter, 1ntel vero technology support, 2x2 Some: Bluetooth 4.1 combo adapter, Intel vero technology support, 2x2 Some: Bluetooth 4.1 combo adapter, Intel vero technology support, 2x2 Some: Bluetooth 4.0 or 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter Gigabit ethernet, Intel Ethernet Connection 219-LM (Jacksonville), Wake on LAN® Manageability Intel Active Management Technology 11.0 (Intel AMT 11.0) on some models; Intel vero technology on some models (require choosing a vero-support Wi-Fi adapter to enable vero function through wireless connection) Trusted Platform Module (TPM 1.2-compliant) Trusted Platform Module (TPM 1.2-compliant) | Rear ports | Two USB 3.0 (one is Always On and fast charge), optional card reader, | | | | | | | | | | |
| M.2 card slot One M.2 Čard slot (for WLAN) Audio support High Definition (HD) Audio, Realtek ALC233 / two internal speakers (5W x 2), Dolby® Audio™ certified, Skype for Business certified WLAN¹³ Some: 11ac wireless, M.2 Card, Qualcomm Atheros QCA6174 (dual band), Wi-Fi + Bluetooth 4.1 combo adapter, 2x2 Some: 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 8260, Wi-Fi + Bluetooth 4.1 combo adapter, 2x2 Some: 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 8260, Wi-Fi + Bluetooth 4.1 combo adapter, Intel ∨Pro technology support, 2x2 Some: Bluetooth ™ Some: Bluetooth 4.1 combo adapter, Intel ∨Pro technology support, 2x2 Some: Bluetooth 4.0 or 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter Ethernet Intel Active Management Technology 11.0 (Intel AMT 11.0) on some models; Intel vPro technology on some models (require choosing a vPro-support Wi-Fi adapter to enable vPro function through wireless connection) Trusted Platform Module (TPM 1.2-compliant) Plate of Window 10 Lenovo Companion - Only for Window 7 Rescue and Recovery Password Manager TinkVantage TinkVantage Password Manager TinkVantage TinkVantage TinkVantage Password Manager TinkVantage Tink Gold rating; ENERGY STAR® 6.1; TCO Certified Edge; TUV Green Mark; UILE Gold; ErP Lot 3; GREENGUARD® certified; RoHS-compliant Accessories For compatible accessories, please go to TC-AQP sheet For compatible accessories, please go to TC-AQP sheet | Side ports | | | | | | | | | purchase a product key to activate | | |
| Audio support High Definition (HD) Audio, Realtek ALC233 / two internal speakers (5W x 2), Dolby® Audio™ certified, Skype for Business certified WLAN¹³ Some: 11ac wireless, M.2 Card, Qualcomm Atheros QCA6174 (dual band), Wi-Fi + Bluetooth 4.1 combo adapter, 2x2 Some: 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 8260, Wi-Fi + Bluetooth 4.1 combo adapter, 2x2 Some: 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 8260, Wi-Fi + Bluetooth 4.1 combo adapter, 2x2 Some: Bluetooth 4.1 combo adapter, 1ntel vPro technology support, 2x2 Some: Bluetooth 4.0 or 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter, Intel Ethernet Connection I219-LM (Jacksonville), Wake on LAN® Manageability Intel Active Management Technology 11.0 (Intel AMT 11.0) on some models; Intel vPro technology on some models (require choosing a vPro-support Wi-Fi adapter to enable vPro function through wireless connection) Trusted Platform Module (TPM 1.2-compliant) ■ Lenovo Companion Only for Window 7 ■ Rescue and Recovery ■ Password Manager ■ ThinkVantage System Update ■ Lenovo Message Center Plus ■ Adobe® Reader® ■ Thirity Gold rating; ENERGY STAR® 6.1; TCO Certified Edge; TUV Green Mark; ULE Gold; ErP Lot 3; GREENGUARD® certified; RoHS-compliant Accessories For compatible accessories, please go to TC-AQP sheet For compatible accessories, please go to TC-AQP sheet | M.2 card slot | | | | | | | | | Lenovo I hinkVantage Tools Only for Window 10 | | |
| Dolby® Audio™ certified, Skype for Business certified WLAN¹³ Some: 11ac wireless, M.2 Card, Qualcomm Atheros QCA6174 (dual band), Wi-Fi + Bluetooth 4.1 combo adapter, 2x2 Some: 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 8260, Wi-Fi + Bluetooth 4.1 combo adapter, 2x2 Some: 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 8260, Wi-Fi + Bluetooth 4.1 combo adapter, 2x2 Some: Bluetooth 4.1 combo adapter, Intel vPro technology support, 2x2 Some: Bluetooth 4.1 combo adapter, Intel vPro technology support, 2x2 Some: Bluetooth 4.0 or 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter Ethernet Gigabit ethernet, Intel Ethernet Connection 1219-LM (Jacksonville), Wake on LAN® Manageability Intel Active Management Technology 11.0 (Intel AMT 11.0) on some models; Intel vPro technology on some models (require choosing a vPro-support Wi-Fi adapter to enable vPro function through wireless connection) Trusted Platform Module (TPM 1.2-compliant) - Only for Window 7 • Rescue and Recovery • Rescue and Recovery • Password Manager • ThinkVantage System Update • Lenovo Message Center Plus • Adobe® Reader® • Environment EPEAT™ Gold rating; ENERGY STAR® 6.1; TCO Certified Edge; TUV Green Mark; ULE Gold; ErP Lot 3; GREENGUARD® certified; RoHS-compliant Accessories For compatible accessories, please go to TC-AQP sheet | Audio support | High Definition (HD) Audio, Bealtek Al C233 / two internal speakers (5W x 2). | | | | | | | - | Lenovo Companion | | |
| WLAN¹³ Some: 11ac wireless, M.2 Card, Qualcomm Atheros QCA6174 (dual band), Wi-Fi + Bluetooth 4.1 combo adapter, 2x2 Some: 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 8260, Wi-Fi + Bluetooth 4.1 combo adapter, 2x2 Some: 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 8260, Wi-Fi + Bluetooth 4.1 combo adapter, 2x2 Some: Bluetooth 4.1 combo adapter, Intel VPro technology support, 2x2 Some: Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter Gigabit ethernet, Intel Ethernet Connection I219-LM (Jacksonville), Wake on LAN® Manageability Intel Active Management Technology 11.0 (Intel AMT 11.0) on some models; Intel vPro technology on some models (require choosing a vPro-support Wi-Fi adapter to enable vPro function through wireless connection) Trusted Platform Module (TPM 1.2-compliant) Password Manager • ThinkVantage System Update • Lenovo Message Center Plus • Adobe® Reader® Environment EPEAT™ Gold rating; ENERGY STAR® 6.1; TCO Certified Edge; TUV Green Mark; ULE Gold; ErP Lot 3; GREENGUARD® certified; RoHS-compliant Accessories For compatible accessories, please go to TC-AQP sheet | radio oapport | | | | | | | , | | | | |
| Wi-Fi + Bluetooth 4.1 combo adapter, 2x2 Some: 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 8260, Wi-Fi + Bluetooth 4.1 combo adapter, 2x2 Some: 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 8260, Wi-Fi + Bluetooth 4.1 combo adapter, 2x2 Some: Bluetooth 4.1 combo adapter, Intel vPro technology support, 2x2 Some: Bluetooth 4.0 or 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter Gigabit ethernet, Intel Ethernet Connection I219-LM (Jacksonville), Wake on LAN® Manageability Manageability Intel Active Management Technology 11.0 (Intel AMT 11.0) on some models; Intel vPro technology on some models (require choosing a vPro-support Wi-Fi adapter to enable vPro function through wireless connection) Trusted Platform Module (TPM 1.2-compliant) Trusted Platform Module (TPM 1.2-compliant) ■ ThinkVantage System Update • Lenovo Message Center Plus • Adobe® Reader® Environment EPEAT™ Gold rating; ENERGY STAR® 6.1; TCO Certified Edge; TUV Green Mark; ULE Gold; ErP Lot 3; GREENGUARD® certified; RoHS-compliant Accessories For compatible accessories, please go to TC-AQP sheet | WLAN ¹³ | Some: 11ac wireless, M.2 Card, Qualcomm Atheros QCA6174 (dual band), Wi-Fi + Bluetooth 4.1 combo adapter, 2x2 Some: 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 8260, Wi-Fi + Bluetooth 4.1 combo adapter, 2x2 Some: 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 8260, | | | | | | | - | | | |
| Wi-Fi + Bluetooth 4.1 combo adapter, 2x2 Some: 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 8260, Wi-Fi + Bluetooth 4.1 combo adapter, Intel vPro technology support, 2x2 Some: Bluetooth 4.1 combo adapter, Intel vPro technology support, 2x2 Some: Bluetooth 4.0 or 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter Gigabit ethernet, Intel Ethernet Connection I219-LM (Jacksonville), Wake on LAN® Manageability Intel Active Management Technology 11.0 (Intel AMT 11.0) on some models; Intel vPro technology on some models (require choosing a vPro-support Wi-Fi adapter to enable vPro function through wireless connection) Trusted Platform Module (TPM 1.2-compliant) ■ Adobe® Reader® Environment EPEAT™ Gold rating; ENERGY STAR® 6.1; TCO Certified Edge; TUV Green Mark; ULE Gold; ErP Lot 3; GREENGUARD® certified; RoHS-compliant Accessories For compatible accessories, please go to TC-AQP sheet | | | | | | | | | | ThinkVantage System Update | | |
| Some: 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 8260, Wi-Fi + Bluetooth 4.1 combo adapter, Intel vPro technology support, 2x2 Some: Bluetooth 4.0 or 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter Ethernet Gigabit ethernet, Intel Ethernet Connection 1219-LM (Jacksonville), Wake on LAN® Manageability Intel Active Management Technology 11.0 (Intel AMT 11.0) on some models; Intel vPro technology on some models (require choosing a vPro-support Wi-Fi adapter to enable vPro function through wireless connection) Trusted Platform Module (TPM 1.2-compliant) Environment EPEAT™ Gold rating; ENERGY STAR® 6.1; TCO Certified Edge; TUV Green Mark; ULE Gold; ErP Lot 3; GREENGUARD® certified; RoHS-compliant For compatible accessories, please go to TC-AQP sheet | | | | | | | | | | Lenovo Message Center Plus Adoba® Boador® | | |
| Bluetooth 4.1 combo adapter, finder vPro technology support, 2x2 Some: Bluetooth 4.0 or 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter Ethernet Some: Bluetooth 4.0 or 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter Gigabit ethernet, Intel Ethernet Connection 1219-LM (Jacksonville), Wake on LAN® Manageability Intel Active Management Technology 11.0 (Intel AMT 11.0) on some models; Intel vPro technology on some models (require choosing a vPro-support Wi-Fi adapter to enable vPro function through wireless connection) Trusted Platform Module (TPM 1.2-compliant) Tusted Platform Module (TPM 1.2-compliant) | | | | | | | | | Environment | | | |
| Some: Bidetooth 4.0 of 4.1 wheress, integrated in Wi-Fi + Bidetooth combo adapter Gigabit ethernet, Intel Ethernet Connection I219-LM (Jacksonville), Wake on LAN® Intel Active Management Technology 11.0 (Intel AMT 11.0) on some models; Intel vPro technology on some models (require choosing a vPro-support Wi-Fi adapter to enable vPro function through wireless connection) Security chip Trusted Platform Module (TPM 1.2-compliant) RoHS-compliant For compatible accessories, please go to TC-AQP sheet Trusted Platform Module (TPM 1.2-compliant) | | Some: Bluetooth 4.0 or 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter | | | | | | | LIMIOIIIIGIII | | | |
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| Security chip Trusted Platform Module (TPM 1.2-compliant) | , | | | | | | | | | | | |
| | Security chin | adapter to enabl | e vPro fur Module (| nction through w TPM 1.2-compli | rreless (| connection) | | | | | | |
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See footnotes for more detailed information

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