



Personal Systems Reference Lenovo® Essential Desktops

March 2010 - Version 374



C300 series All-In-One

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Lenovo C100



Lenovo C100



Lenovo C100

Type-model	Processor	GHz	Memory	Widescreen display	Camera (mega-pixel)	Graphics	SATA disk	SATA optical	Mini PCIe 802.11 wireless	Color	Blue-tooth	KBD	Mouse	Preload	Avail date
7869-1AU	Atom 230	1.60	1GB	18.5" WXGA	1.3	GMA	160GB ⁸	DVD±RW		Black	None	PS/2	USB	XP Home	Sep 09
7869-1EU	Atom 230	1.60	1GB	18.5" WXGA	1.3	GMA	160GB	DVD±RW	11b/g ²⁸	Black	None	PS/2	USB	XP Home	Sep 09
7869-1CU	Atom 330	1.60	2GB	18.5" WXGA	1.3	GMA	320GB	DVD±RW		Black	None	PS/2	USB	Home Basic	Sep 09

- All-In-One design with 18.5" 16:9 widescreen
- Lenovo® Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows

Processor	Intel® Atom™ processor 230 with single-core, Hyper-Threading technology, Intel 64 Technology, Execute Disable Bit, 533MHz system bus, and 512KB L2 cache or Intel Atom processor 330 with dual-core, Hyper-Threading technology, Intel 64 Technology, Execute Disable Bit, 533MHz system bus, and 1MB L2 cache	Preloaded operating system ²⁰ - Some: Genuine Windows® XP Home Edition - Some: Genuine Windows Vista® Home Basic 32
Memory	1GB or 2GB std / 2GB max ⁷ / PC2-5300 667MHz DDR2, non-parity, one 200-pin SO-DIMM socket; standard memory in one socket; no sockets available	Preloaded applications ¹⁴ • Lenovo OneKey Recovery • Driver and Application Installation • Trend Micro™ PC-cillin™ Internet Security 2008 • Windows Live™ Toolbar (Vista Models) • Cyberlink Power2Go (DVD±RW) • Corel® WinDVD®
SATA DVD±RW SATA disk	DVD burner, dual-layer support, fixed, removable, 12.7mm, tray-in 160GB or 320GB, SATA 3.0Gb/s, 2.5" wide, 5400 rpm	
Widescreen display	18.5" (470.1mm) WXGA (1366x768) TFT color, anti-glare, CCFL backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio	
Camera Controls	Camera on top of screen, 1.3-megapixel, fixed focus, with mono microphone Power button on right	
Graphics	Intel Graphics Media Accelerator 950 (GMA 950), integrated graphics in 945GC, uses main memory	
Chipset	Intel 945GC Express Chipset, I/O Controller Hub 7 [ICH7] (SATA 3.0Gb/s, ethernet MAC, USB, LPC bus)	
Multicard reader Ports	None Rear: Two USB 2.0, ethernet (RJ-45), keyboard (PS/2), microphone input jack (3.5 mm), headphone jack (3.5 mm) Left: Two USB 2.0	
Mini PCI Express 11b/g ²⁸ TV tuner Bluetooth™ Modem Ethernet Audio support	One Mini PCI Express slot Some: 11b/g wireless ⁴ , Mini PCIe adapter, Realtek® RTL8191SE None None None 10/100 ethernet on planar, Realtek 8103EL High Definition (HD) Audio, RealTek® ALC662 codec / two stereo speakers (2 watt) / microphone, microphone input jack (3.5 mm), headphone jack (3.5 mm)	65-watt AC adapter RoHS-compliant
Security	Supervisor password	Limited Warranty¹² ⇨ 1-year parts and labor ⇨ Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts ³ , 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time) ⇨ Service upgrade options (in eligible locations): ⁹ • 3-year Lenovo Onsite Repair 9x5 Next Business Day (78Y1553) ⇨ 24x7 ¹⁴ toll-free support for warranty issues during the warranty period ¹ via 877-453-6686
Keyboard	PS/2 full-size keyboard	
Mouse	USB Optical Wheel Mouse	
Remote control	None	
Dimensions ³ Weight ² Chassis Stand	(WxHxD): 18.5" x 14.6" x 3.98"; 469mm x 370mm x 101mm 13.22 lb (6.0 kg) Black color Basic folding stand (adjustable between 35° and 54°)	

See footnotes for important warranty information
US models announced September 15, 2009

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(PH1-1) October 2009



Lenovo C300



Lenovo C300



Lenovo C300



Lenovo C300



Lenovo C300



Lenovo C300

Type-model	Processor	GHz	Memory	Widescreen display	Camera (mega-pixel)	Graphics	SATA disk	SATA optical	Mini PCIe 802.11 wireless	Color	Blue-tooth	KBD	Mouse	Preload	Avail date
3012-1AU	Atom 230	1.60	1GB	20" WXGA++	1.3	GMA	160GB ⁸	DVD±RW	11b/g ²⁸	Black	None	PS/2	USB	XP Home	Jun 09
3012-1JU	Atom 230	1.60	1GB	20" WXGA++	1.3	GMA	160GB	DVD±RW	11b/g	Black	None	PS/2	USB	XP Home	Sep 09
3012-1OU	Atom 230	1.60	2GB	20" WXGA++	1.3	GMA	320GB	DVD±RW	11b/g	Black	None	PS/2	USB	Home Basic	Sep 09
3012-1EU	Atom 230	1.60	3GB	20" WXGA++	1.3	GMA	320GB	DVD±RW	11b/g	Black	None	PS/2	USB	Home Basic	Jun 09
3012-1RU	Atom 230	1.60	3GB	20" WXGA++	1.3	GMA	500GB	DVD±RW	11b/g	Black	None	PS/2	USB	Prem 32	Sep 09
3012-2DU	Atom 330	1.60	4GB	20" WXGA++	1.3	HD 4530	640GB	DVD±RW	11b/g	Black	None	PS/2	USB	Prem 32	Jun 09

- **All-In-One design with 20" 16:9 widescreen**
- **Lenovo® Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows**
- **Advanced hinge design allows changing the screen angle with only one hand, and resting the screen angle at any intermediate position between 12° and 40°**

Processor	Intel® Atom™ processor 230 with single-core, Hyper-Threading technology, Intel 64 Technology, Execute Disable Bit, 533MHz system bus, and 512KB L2 cache or Intel Atom processor 330 with dual-core , Hyper-Threading technology, Intel 64 Technology, Execute Disable Bit, 533MHz system bus, and 1MB L2 cache	Preloaded operating system²⁰ <ul style="list-style-type: none"> - <i>Some:</i> Genuine Windows® XP Home Edition - <i>Some:</i> Genuine Windows Vista® Home Basic 32 - <i>Some:</i> Genuine Windows Vista Home Premium 32 Preloaded applications¹⁴ <ul style="list-style-type: none"> • Lenovo OneKey Recovery • Driver and Application Installation • Trend Micro™ PC-cillin™ Internet Security 2008 • Windows Live™ Toolbar (Vista Models) • Cyberlink Power2Go (DVD±RW) • Corel® WinDVD®
Memory	1GB, 3GB, or 4GB std / 4GB max ⁷ / PC2-5300 667MHz DDR2 , non-parity, dual-channel capable, two 200-pin SO-DIMM sockets; <i>Italics:</i> standard memory in both sockets; no sockets available <i>Non-italics:</i> standard memory in one socket; one socket available	
SATA DVD±RW SATA disk	DVD burner, dual-layer support, fixed, removable, 12.7mm, tray-in 160GB, 320GB, 500GB, or 640GB , SATA 3.0Gb/s, 3.5" wide, 7200 rpm	
Widescreen display	20" (508mm) WXGA++ (1600x900) TFT color , anti-glare, CCFL backlight, 300 nits, 16:9 aspect ratio, 1000:1 contrast ratio	
Camera Controls	Camera on top of screen, 1.3-megapixel, fixed focus, with mono microphone Brightness up/down buttons, display on/off button, and power button	
Graphics	<i>Some:</i> Intel Graphics Media Accelerator 950 (GMA 950) , integrated graphics in 945GC, uses main memory <i>Some:</i> ATI™ Mobility Radeon™ HD 4530 , PCI Express® x16, 512MB memory, DirectX® 10, ATI Avivo™ HD	
Chipset	Intel 945GC Express Chipset , I/O Controller Hub 7 [ICH7] (SATA 3.0Gb/s, ethernet MAC, USB, LPC bus)	
Multicard reader	6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital Elite Pro Card, xD-Picture Card™)	
Ports	<i>Rear:</i> Four USB 2.0, ethernet (RJ-45), keyboard (PS/2), IEEE 1394 FireWire 400 (4-pin connector; 1394a-2000 standard) <i>Left:</i> Two USB 2.0	
Mini PCI Express 11b/g ²⁸ TV tuner Bluetooth™ Modem Ethernet Audio support	One Mini PCI Express slot 11b/g wireless ⁴ , Mini PCIe adapter, Broadcom® BCM4312 None None None 10/100 ethernet on planar, Intel 82562G High Definition (HD) Audio, RealTek® ALC662 codec / two stereo speakers (2 watt) / microphone, microphone input jack (3.5 mm), headphone jack (3.5 mm)	
Security	Power-on password, supervisor password, security lockhole	120-watt AC adapter RoHS-compliant
Keyboard Mouse Remote control	PS/2 full-size keyboard USB Optical Wheel Mouse None	Limited Warranty¹² <ul style="list-style-type: none"> ↪ 1-year parts and labor ↪ Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts³, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time) ↪ Service upgrade options (in eligible locations):⁹ <ul style="list-style-type: none"> • 3-year Lenovo Onsite Repair 9x5 Next Business Day (78Y1553) ↪ 24x7¹⁴ toll-free support for warranty issues during the warranty period¹ via 877-453-6686
Dimensions ³	(WxHxD): 19.05" x 14.12" x 3.28"; 484mm x 359mm x 83mm	
Weight ²	13.8 lb (6.26 kg)	
Chassis Stand	Black color Fold-away stand (adjustable between 12° and 40°)	

See footnotes for important warranty information

US models announced September 10, 2009; previous models on June 24, 2009

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Type-model	Processor	GHz	Memory	Widescreen display	Camera (mega-pixel)	Discrete graphics	SATA disk	SATA optical	TV tuner	Remote control	Mini PCIe 802.11 wireless	Color	Blue-tooth	Win7 preload	Avail date
3012-2VU	Atom 330	1.60	2GB	20" WXGA++	1.3M	HD 4530	320GB ⁸	DVD±RW	None	None	11b/g ²⁸	Black	None	Prem 32	Dec 09
3012-2KU	Atom 330	1.60	3GB	20" WXGA++	1.3M	HD 4530	500GB	DVD±RW	None	None	11b/g	Black	None	Prem 32	Nov 09

- **All-In-One design with 20" 16:9 widescreen**
- **Lenovo® Rescue System provides OneKey recovery without booting into Windows**
- **Advanced hinge design allows changing the screen angle with only one hand, and resting the screen angle at any intermediate position between 12° and 40°**

Processor	Intel® Atom™ processor 330 with dual-core, Hyper-Threading Technology, Intel 64 Technology, Execute Disable Bit, 533MHz system bus, and 1MB L2 cache	Preloaded operating system²⁰ - Genuine Windows® 7 Home Premium 32 Preloaded applications¹⁴ (only some listed) <ul style="list-style-type: none"> • Lenovo OneKey Recovery • Driver and Application Installation • McAfee® VirusScan® Plus 2009 (60 days of virus definitions) • Cyberlink Power2Go (DVD±RW) • Corel® WinDVD®
Memory	2GB or 3GB std / 4GB max ⁷ / PC2-5300 667MHz DDR2 , non-parity, dual-channel capable, two 200-pin SO-DIMM sockets; <i>Italics:</i> standard memory in both sockets; no sockets available; <i>Non-Italics:</i> standard memory in one sockets; one sockets available	
SATA DVD±RW	DVD burner, dual-layer support, fixed, removable, 12.7mm, tray-in	
SATA disk	320GB or 500GB , SATA 3.0Gb/s, 3.5" wide, 7200 rpm	
Widescreen display	20" (508mm) WXGA++ (1600x900) TFT color , anti-glare, CCFL backlight, 300 nits, 16:9 aspect ratio, 1000:1 contrast ratio	
Camera	Camera on top of screen, 1.3-megapixel, fixed focus, with mono microphone	
Controls	Brightness up/down buttons, display on/off buttons, and power button	
Discrete Graphics	ATI™ Mobility Radeon™ HD 4530 , PCI Express® x16, 512MB memory, DirectX® 10, ATI Avivo™ HD	
Chipset	Intel 945GC Express Chipset , I/O Controller Hub 7 [ICH7] (SATA 3.0Gb/s, ethernet MAC, USB, LPC bus)	
Multicard reader	6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital Elite Pro Card, xD-Picture Card™)	
Ports	<i>Rear:</i> Four USB 2.0, ethernet (RJ-45), keyboard (PS/2), IEEE 1394 FireWire 400 (4-pin connector; 1394a-2000 standard) <i>Left:</i> Two USB 2.0	
Mini PCI Express	One Mini PCI Express slot	120-watt AC adapter RoHS-compliant
11b/g ²⁸	11b/g wireless ⁴ , Mini PCIe adapter, Broadcom® BCM4312	Limited Warranty¹² ⇨ 1-year parts and labor ⇨ Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts³, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time) ⇨ Service upgrade options (in eligible locations):⁹ <ul style="list-style-type: none"> • 3-year Lenovo Onsite Repair 9x5 Next Business Day (78Y1553) ⇨ 24x7¹⁴ toll-free support for warranty issues during the warranty period¹ via 877-453-6686
TV tuner	None	
Bluetooth™	None	
Modem	None	
Ethernet	10/100 ethernet on planar, Intel 82562G	
Audio support	High Definition (HD) Audio, RealTek® ALC662 codec / two stereo speakers (2 watt) / microphone, microphone input jack (3.5 mm), headphone jack (3.5 mm)	
Security	Power-on password, supervisor password, security lockhole	
Keyboard	PS/2 full-size keyboard	
Mouse	USB Optical Wheel Mouse	
Remote control	None	
Dimensions ³	(WxHxD): 19.05" x 14.12" x 3.28"; 484mm x 359mm x 83mm	
Weight ²	13.8 lb (6.26 kg)	
Chassis	Black color	
Stand	Fold-away stand (adjustable between 12° and 40°)	

See footnotes for important warranty information

US model announced December 17, 2009; previous model on November 3, 2009

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**Partial list of Lenovo® Care Services²²
for Lenovo Essential desktops**

For more information see:

http://www.lenovo.com/services_warranty/us/en/index.html

Lenovo Care service upgrade options

Lenovo Essential C Series desktops with 1-year Onsite warranty

2-year Lenovo Onsite Repair warranty 9x5 78Y1552

3-year Lenovo Onsite Repair warranty 9x5 78Y1553

Lenovo Essential H Series desktops with 1-year Onsite warranty

2-year Lenovo Onsite Repair warranty 9x5 78Y1552

3-year Lenovo Onsite Repair warranty 9x5 78Y1551

Availability: All offers subject to availability. Lenovo reserves the right to alter product offerings and specifications at any time, without notice. Lenovo is not responsible for photographic or typographic errors.

Warranty: For a copy of applicable product warranties, write to: Warranty Information, P.O. Box 12195, RTP, NC, 27709, Attn: Dept ZPYA/B676. Lenovo makes no representation or warranty regarding third party products or services.

- ¹ **Limited warranty:** Support unrelated to a warranty issue may be subject to additional charges.
- ² **Hard disk drive:** GB = billion bytes, TB = trillion bytes. Accessible capacity is less; up to 4GB is service partition.
- ³ **Customer Replacement Units (CRUs)** are designed to be replaced by customers during the applicable warranty period. Lenovo will send a technician onsite to perform a repair if remote telephone diagnosis does not isolate the problem, if customer replaceable parts are unable to resolve the problem, or at the request of the customer. For a list of customer replaceable parts, contact Lenovo. Support unrelated to a warranty issue may be subject to additional charges.
- ⁵ **Included software** may differ from its retail version (if available), and may not include user manuals or all program functionality. License agreements may apply.
- ⁶ **Post-warranty annual maintenance agreement:** Service begins at the end of the base warranty or the end of any other applied warranty and maintenance option, whichever occurs last. Service delivery is not available the same day the maintenance agreement is purchased. Maintenance agreements must be purchased and the registration successfully completed prior to the service being available.

⁷ **Lenovo Care Services:** Not all machine types and models are covered. Service period begins with the equipment date of purchase. Service must be purchased during the original limited product warranty period. Service levels are response time objectives and are not guarantees. If the machine problem turns out to be a Customer Replaceable Unit (CRU), a part at your discretion, will be express shipped to you for quick replacement. See Lenovo Care terms and conditions for complete details and restrictions.

⁸ **Memory:** For PCs without a separate video card, memory supports both system and video. Accessible system memory is up to 64MB less than the amount stated, depending on video mode.

⁹ **International Warranty Service** is available for most models in any country in which this product is sold and serviced. Service delivery methods and parts availability vary by country, may be different from that in the country of purchase, and are subject to change without notice. Fees and restrictions may apply in some countries.

¹⁰ **Modem speeds:** Public network download speeds are limited to 53Kbps. Upload speeds are limited to 48Kbps for V.92 modems. Actual speeds depend on many factors and are often less than the maximum possible. V.92 functions and speeds require compatible phone line and server equipment. Check with your telephone and ISP service providers for availability.

¹⁴ **Response times may vary.** May exclude some holidays. Telephone support may be subject to additional charges.

²⁰ **Operating System:** Level of support varies by operating system. Operating systems not preloaded on the system may not provide full feature functionality. Refer to lenovo.com/pc/support and enter your machine type and model number for more information.



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