



Lenovo® ThinkPad Edge E320



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ThinkPa	ad [®] Edge	e E320	1298 (I	ntel) -	TopSelle	r - withdra	wn		Personal S	Systems	Referer	nce (PSREI
Type-model	Processor	Memory	Wide- screen display	Camera	Disk SATA GB ⁸ rpm	PCIe Mini Card WLAN	PCIe Mini Ca WWAN /mSATA	rd Carrier	Top color	Blue- tooth	Bat- tery cells	Preload
1298-3RG	i3-2310M	4GBx1	13.3" HD	720p	320G 7200	Intel 1000	Ericsson	selectable	Matte black	Blue	6	Pro 64
1298-3QG	i3-2310M	4GBx1	13.3" HD	720p	320G 7200	Intel 1000	211000011	corcotable	Matte black	Blue	6	Pro 64
1298-37G	i3-2310M	4GBx1	13.3" HD	720p	320G 7200	TP 11a/b/g/n			Matte red	Blue	6	Prem 6
298-35G	i3-2310M	4GBx1	13.3" HD	720p	320G 7200	TP 11a/b/g/n			Matte black	Blue	6	Prem 6
298-34G	i3-2310M	4GBx1	13.3" HD	720p	320G 7200	TP 11a/b/g/n			Matte black	Blue	6	Pro 64
298-5PG	i3-2330M	4GBx1	13.3" HD	720p	320G 7200	TP 11a/b/g/n			Matte red	Blue	6	Prem 6
298-5MG	i3-2330M	4GBx1	13.3" HD	720p	320G 7200	Intel 1000			Matte black	Blue	6	Pro 64
1298-5LG	i3-2330M	4GBx1	13.3" HD	720p	320G 7200	Intel 1000	Ericsson	selectable	Matte black	Blue	6	Pro 64
1298-6KG	i3-2330M	4GBx1	13.3" HD	720p	320G 7200	Intel 1000	Ericsson	selectable	Matte black	Blue	6	Prem 6
298-AAG	i3-2350M	4GBx1	13.3" HD	720p	320G 5400	TP 11a/b/g/n	LIICSSOII	Scieciable	Matte black	Blue	6	Pro 64
1298-A7G	i3-2350M	4GBx1	13.3" HD	720p	320G 5400	TP 11a/b/g/n			Matte red	Blue	6	Prem 6
1298-A7G	i3-2350M	4GBx1	13.3" HD	720p 720p	320G 5400 320G 5400	Intel 1000	Ericsson	selectable	Matte black	Blue	6	Pro 64
rocessor	Intel® Core™ i3-2310M processor (dual-core, 2.10GHz, 3MB Cache), DDR3 memory controller (up to 1333MHz), HT technology Intel Core i3-2330M processor (dual-core, 2.20GHz, 3MB Cache), DDR3 memory controller (up to 1333MHz), HT technology Intel Core i3-2350M processor (dual-core, 2.30GHz, 3MB Cache), DDR3 memory controller (up to 1333MHz), HT technology							- Some: Genuine Windows® 7 Home Premium 64 - Some: Genuine Windows 7 Professional 64 Ready to install applications¹⁴ (on some listed)				
Memory	two 2	04-pin SO-	-10600 133 DIMM sock		DR3, non-parity	y, dual-channel c	apable,		Rescue and Recovery™ Access Connections™			
Optical SATA disk	None Some: Solid State Drive (SSD) / SATA 3.0Gb/s, 2.5" wide, 7mm high, upgradable Some: Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm high, removable, upgradable, Active Protection System™					Fingerprint Software (fingerprint models) Password Manager (fingerprint models)						
mSATA™ SS	SD None								 ThinkVantage System Update 			
Widescreen display	play LED backlight, 200 nits, 16:9 aspect ratio, 400:1 contrast ratio						ThinkVantage Power Manager ThinkVantage Toolbox Preloaded applications ¹⁴ (only som					
Camera		•				tive, fixed focus,	LED indicator	<u>r </u>		ppiicati	ons"	only som
Graphics	raphics Intel HD Graphics 3000 in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent display; Max external resolution: 2048x1536 (VGA)@75Hz; 2560x1600 (HDMI)@60Hz);	listed) • Norton™ Internet Security 2011 (30 days of virus definitions) • Adobe® Reader® • Skype™ for Windows						
Keyboard TrackPoint® Touchpad ThinkLight™ Keyboard 6-row, spill-resistant, multimedia Fn key. TrackPoint pointing device, Internet Scro UltraNav™, buttonless touchpad below k		keys Scroll Bar ¹³	,			 Microsoft C purchase p Adobe Acro (bundled windled) Corel® Windled 	roduct lobat® X ith Micro	key to a Standa osoft C	activate ard Office)			
Dimensions							Corel Burn. (DVD+BW)	.Now™ ∣				

Battery - type³⁷ Battery - life¹⁰ 6-cell (62Whr): up to 6.0 hr Chipset Mobile Intel HM65 Express Chipset ExpressCard None Multicard Reader

Lithium Ion 6-cell

6-cell: from 4.07 lb (1.85kg)

4-in-1 reader (MMC, SD, SDHC, SDXC) Two USB 2.0 (one powered), one USB 2.0/eSATA combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)

PCIe Mini Card Two PCI Express Mini Card slots WLAN⁴

Some:

11a/b/g/n, PCle Half Mini Card, ThinkPad a/b/g/n, 2x2 11b/g/n, PCle Half Mini Card, Intel Centrino® Wireless-N 1000, 1x2 Some:

Matte black or Matte red (top), trimmed with a thin silver band (side); black bottom Acrylonitrile-Butadiene-Styrene (ABS) plastic

Wireless WAN, Ericsson® F5521gw Mobile Broadband Module, PCle Mini Card, GPRS/WCDMA/HSPA+, GPS Some:

Carrier Some: User selectable, contract required with service provider Modem None

Bluetooth™ Bluetooth 3.0 wireless

WE model(s) withdrawn effective July 2012

Gigabit ethernet, Atheros® AR8151 Ethernet

Intel AMT None

Weight²

Ports

WWAN

Case color

Case material

Audio support

High Definition (HD) Audio, Conexant 20671 codec / stereo speakers, 2 watt x 2/mono digital microphone, combo audio/mic jack
Power-on password, hard disk password, supervisor password, security keyhole Security Security chip None

Fingerprint reader None Limited warranty¹² 1-year - depot repair service / service upgrades²² available

See footnotes for more detailed information WE model(s) announced December 20, 2011; previous models on July 5 or October 4, 2011 Supports ThinkVantage® technologies 65-watt AC adapter EPEAT™ Gold rating

Corel DVD MovieFactory® Lenovo

ENERGY STAR® 5.0-compliant

(DVD±RW)

Edition (DVD±RW)

RoHS-compliant International Warranty Service17

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

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Type-model	Processor	Memory	Wide- screen display	Camera	Disk SATA GB ⁸ rpm	PCIe Mini Card WLAN	PCIe Mini Car WWAN /mSATA	d Carrier	Top color	Blue- tooth	Bat- tery cells	Preload
1298-85G	i5-2450M	4GBx1	13.3" HD	720p	320G 7200	Intel 1000	Ericsson	selectable	Matte black	Blue	6	Pro 64
1298-84G	i3-2350M	4GBx1	13.3" HD	720p	500G 5400	TP 11a/b/g/n			Matte red	Blue	6	Prem 64
1298-83G	i3-2350M	4GBx1	13.3" HD	720p	320G 7200	Intel 1000			Matte black	Blue	6	Pro 64
1298-82G	i3-2350M	4GBx1	13.3" HD	720p	320G 7200	Intel 1000	Ericsson	selectable	Matte black	Blue	6	Pro 64
1298-A9G	i5-2450M	4GBx1	13.3" HD	720p	320G 5400	Intel 1000	Ericsson	selectable	Matte black	Blue	6	Pro 64

- Small and medium business (SMB) model(s), part of the WE TopSeller™ Program
- Microsoft® Office 2010 Product Key Ready (O10PKR)

Positioning Processor	Sophisticated design with quality, durability and reliability for SMB customers; one spindle Intel® Core™ i3-2350M processor (dual-core, 2.30GHz, 3MB Cache), DDR3 memory controller (up to 1333MHz), HT technology Intel Core i5-2450M processor (dual-core, 2.50GHz, 3MB Cache), DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology	Preloaded operating system ²⁰ - Some: Genuine Windows® 7 Home Premium 64 - Some: Genuine Windows 7 Professional 64			
Memory	8GB max ⁷ / PC3-10600 1333MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets	Ready to install applications ¹⁴ (only some listed)			
Optical SATA disk mSATA™ SSD	None Some: Solid State Drive (SSD) / SATA 3.0Gb/s, 2.5" wide, 7mm high, upgradable Some: Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm high, removable, upgradable, Active Protection System™ None	 Rescue and Recovery™ Access Connections™ Fingerprint Software (fingerprint models) Password Manager (fingerprint 			
Widescreen display Camera	13.3" (338mm) HD (1366x768) color, anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 400:1 contrast ratio HD720p resolution, wide view angle, low light sensitive, fixed focus, LED indicator	models) ThinkVantage System Update ThinkVantage Power Manager ThinkVantage Toolbox			
Graphics	Intel HD Graphics 3000 in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent display; Max external resolution: 2048x1536 (VGA)@75Hz; 2560x1600 (HDMI)@60Hz	Preloaded applications¹⁴ (only some listed) • Norton™ Internet Security 2011 (30 days of virus definitions) • Adobe® Reader®			
Keyboard TrackPoint® Touchpad ThinkLight™	6-row, spill-resistant, multimedia Fn keys TrackPoint pointing device, Internet Scroll Bar¹³ UltraNav™, buttonless touchpad below keyboard, multi-touch None	Skype™ for Windows Microsoft Office 2010 preloaded; purchase product key to activate Adobe Acrobat® X Standard			
Dimensions ³ Weight ² Case color Case material Battery - type ³⁷ Battery - life ¹⁰	13.3W" (WxDxH): 12.67" x 8.98" x 1.05-1.21"; 322 x 228mm x 26.7-30.9mm 6-cell: from 4.07 lb (1.85kg) Matte black or Matte red (top), trimmed with a thin silver band (side); black bottom Acrylonitrile-Butadiene-Styrene (ABS) plastic Lithium Ion 6-cell 6-cell (62Whr): up to 6.0 hr	(bundled with Microsoft Office) • Corel® WinDVD® (DVD±RW) • Corel Burn.Now™ Lenovo Edition (DVD±RW) • Corel DVD MovieFactory® Lenovo Edition (DVD±RW)			
Chipset ExpressCard	Mobile Intel HM65 Express Chipset None 4-in-1 reader (MMC, SD, SDHC, SDXC) Two USB 2.0 (one powered), one USB 2.0/eSATA combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)				
PCIe Mini Card WLAN ⁴ WWAN	Two PCI Express Mini Card slots Some: 11a/b/g/n, PCIe Half Mini Card, ThinkPad a/b/g/n, 2x2 Some: 11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 1000, 1x2 Some: Wireless WAN, Ericsson® F5521gw Mobile Broadband Module, PCIe Mini Card, GPRS/WCDMA/HSPA/HSPA+, GPS				
Carrier Modem Bluetooth™	Some: User selectable, contract required with service provider None Bluetooth 3.0 wireless				
Ethernet	Gigabit ethernet, Atheros® AR8151	Supports ThinkVantage® technologies			
Intel AMT Audio support Security Security chip Fingerprint reader		65-watt AC adapter EPEAT™ Gold rating ENERGY STAR® 5.0-compliant RoHS-compliant International Warranty Service¹7 24 hour x 7 day¹8 toll-free support			
Limited warranty ¹²	² 1-year - depot repair service / service upgrades ²² available	during the warranty period ¹²			

See footnotes for more detailed information WE model(s) announced January 17, 2012 WE model(s) withdrawn effective July 2012

Type-model	Processor	Memory	Wide- screen display	Camera	Disk SATA GB [®] rpm	PCle Mini Card WLAN	PCIe Mini Card WWAN /mSATA	Carrier	Top color	Blue- tooth	Bat- tery cells	Preload
1298-3SG	i3-2310M	4GBx1	13.3" HD	720p	320G 7200	Intel 1000	Ericsson	selectable	Matte black	Blue	6	Prem 64
1298-5NG	i3-2330M	4GBx1	13.3" HD	720p	320G 7200	Intel 1000	Ericsson	selectable	Matte black	Blue	6	Prem 64
1298-7ZG	i5-2450M	4GBx1	13.3" HD	720p	500G 5400	Intel 1000			Matte red	Blue	6	Prem 64
1298-A8G	i5-2450M	4GBx1	13.3" HD	720p	320G 5400	Intel 1000			Matte red	Blue	6	Prem 64

- Small and medium business (SMB) model(s), part of the WE TopSeller™ Program
 Microsoft® Office 2010 Product Key Ready (O10PKR)

Processor I	Sophisticated design with quality, durability and reliability for SMB customers; one spindle Intel® Core™ i3-2310M processor (dual-core, 2.10GHz, 3MB Cache), DDR3 memory controller (up to 1333MHz), HT technology Intel Core i3-2330M processor (dual-core, 2.20GHz, 3MB Cache), DDR3 memory controller (up to 1333MHz), HT technology Intel Core i5-2450M processor (dual-core, 2.50GHz, 3MB Cache), DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology	Preloaded operating system ²⁰ - Genuine Windows® 7 Home Premium 64 Ready to install applications¹⁴ (only some listed) • Rescue and Recovery™ • Access Connections™
	3GB max ⁷ / PC3-10600 1333MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets	Fingerprint Software (fingerprint models)
SATA disk	None Some: Solid State Drive (SSD) / SATA 3.0Gb/s, 2.5" wide, 7mm high, upgradable Some: Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm high, removable, upgradable, Active Protection System™	Password Manager (fingerprint models) ThinkVantage System Update ThinkVantage Power Manager
	None	ThinkVantage Toolbox
_ display L	13.3" (338mm) HD (1366x768) color , anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 400:1 contrast ratio HD720p resolution, wide view angle, low light sensitive, fixed focus, LED indicator	Preloaded applications¹⁴ (only some listed) • Norton™ Internet Security 2011
· II	Switches between discrete and integrated graphics, Intel HD Graphics 3000 in processor, and AMD Radeon™ HD 6630M graphics, 1GB memory, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent display; Max external resolution: 2048x1536 (VGA) @75Hz	 (30 days of virus definitions) Adobe® Reader® Skype™ for Windows Microsoft Office 2010 preloaded; purchase product key to activate Adobe Acrobat® X Standard (bundled with Microsoft Office)
TrackPoint® 1 Touchpad l	6-row, spill-resistant, multimedia Fn keys TrackPoint pointing device, Internet Scroll Bar¹³ UltraNav™, buttonless touchpad below keyboard, multi-touch None	Corel® WinDVD® (DVD±RW) Corel Burn.Now™ Lenovo Edition (DVD±RW) Corel DVD MovieFactory® Lenovo Edition (DVD±RW)
Weight ² & Case color	13.3W" (WxDxH): 12.67" x 8.98" x 1.05-1.21"; 322 x 228mm x 26.7-30.9mm 6-cell: from 4.11 lb (1.87kg) Matte black or Matte red (top), trimmed with a thin silver band (side); black bottom Acrylonitrile-Butadiene-Styrene (ABS) plastic Lithium lon 6-cell 6-cell (62Whr): up to 5.6 hr	
	Mobile Intel HM65 Express Chipset	
Multicard Reader 4 Ports 1	None 4-in-1 reader (MMC, SD, SDHC, SDXC) Two USB 2.0 (one powered), one USB 2.0/eSATA combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)	
WLAN ⁴ 1	Two PCI Express Mini Card slots 11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 1000, 1x2 Some: Wireless WAN, Ericsson® F5521gw Mobile Broadband Module, PCIe Mini Card, GPRS/WCDMA/HSPA/HSPA+, GPS	
Modem N	Some: User selectable, contract required with service provider None	
Ethernet (Bluetooth 3.0 wireless Gigabit ethernet, Atheros® AR8151	Supports ThinkVantage® technologies
Audio support H	None High Definition (HD) Audio, Conexant 20671 codec / stereo speakers, 2 watt x 2/	90-watt AC adapter EPEAT™ Gold rating
Security F	mono digital microphone, combo audio/mic jack Power-on password, hard disk password, supervisor password, security keyhole None	ENERGY STAR® 5.0-compliant RoHS-compliant International Warranty Service ¹⁷
	1-year - depot repair service / service upgrades ²² available	- 24 hour x 7 day ¹⁸ toll-free support during the warranty period ¹²

See footnotes for more detailed information

WE model(s) announced January 17, 2012; previous model(s) on July 5 or October 4, 2011 WE model(s) withdrawn effective July 2012

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(G-PT1-2) February 2013

ThinkPad® Edge E320 1298 (Intel) - TopSeller (DOS) - withdrawn

Personal Systems Reference (PSREF)

Type-model	Processor	Memory	Wide- screen display	Camera	Disk SATA GB [®] rpm	PCIe Mini Card WLAN	PCle Mini Card WWAN /mSATA	Carrier	Top color	Blue- tooth	Bat- tery cells	Preload
1298-5QG	i3-2330M	4GBx1	13.3" HD	720p	320G 7200	TP 11b/g/n	None	None	Matte black	Blue	6	DOS-Lic.

• Small and medium business (SMB) model(s), part of the WE TopSeller™ Program

Positioning Processor	Sophisticated design with quality, durability and reliability for SMB customers; one spindle Intel® Core™ i3-2330M processor (dual-core, 2.20GHz, 3MB Cache), DDR3 memory controller (up to 1333MHz), HT technology	Preloaded operating system ²⁰ - DOS-Lic.
Memory	8GB max ⁷ / PC3-10600 1333MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets	
Optical SATA disk	None Some: Solid State Drive (SSD) / SATA 3.0Gb/s, 2.5" wide, 7mm high, upgradable Some: Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm high, removable, upgradable, Active Protection System™	
mSATA™ SSD	None	
Widescreen display Camera	13.3" (338mm) HD (1366x768) color, anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 400:1 contrast ratio HD720p resolution, wide view angle, low light sensitive, fixed focus, LED indicator	
Graphics	Intel HD Graphics 3000 in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent display; Max external resolution: 2048x1536 (VGA)@75Hz; 2560x1600 (HDMI)@60Hz	
Keyboard TrackPoint® Touchpad ThinkLight™	6-row, spill-resistant, multimedia Fn keys TrackPoint pointing device, Internet Scroll Bar¹³ UltraNav™, buttonless touchpad below keyboard, multi-touch None	
Dimensions ³ Weight ² Case color Case material Battery - type ³⁷ Battery - life ¹⁰	13.3W" (WxDxH): 12.67" x 8.98" x 1.05-1.21"; 322 x 228mm x 26.7-30.9mm 6-cell: from 4.07 lb (1.85kg) Matte black (top), trimmed with a thin silver band (side); black bottom Acrylonitrile-Butadiene-Styrene (ABS) plastic Lithium Ion 6-cell 6-cell (62Whr): up to 6.0 hr	
Chipset ExpressCard Multicard Reader Ports	Mobile Intel HM65 Express Chipset None 4-in-1 reader (MMC, SD, SDHC, SDXC) Two USB 2.0 (one powered), one USB 2.0/eSATA combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)	
PCIe Mini Card WLAN ⁴ WWAN Modem	Two PCI Express Mini Card slots 11b/g/n, PCIe Half Mini Card, ThinkPad b/g/n, 1x1 None None	Supports ThinkVantage® technologies
Bluetooth™ Ethernet Intel AMT	Bluetooth 3.0 wireless Gigabit ethernet, Atheros® AR8151 None	65-watt AC adapter EPEAT™ Gold rating
Audio support	High Definition (HD) Audio, Conexant 20671 codec / stereo speakers, 2 watt x 2/mono digital microphone, combo audio/mic jack	(Windows 7 models) ENERGY STAR® 5.0-compliant (Windows 7 models)
Security Security chip Fingerprint reader	Power-on password, hard disk password, supervisor password, security keyhole None None	RoHS-compliant International Warranty Service ¹⁷ 24 hour x 7 day ¹⁸ toll-free support
Limited warranty ¹²	1-year - depot repair service / service upgrades ²² available	during the warranty period ¹²

See footnotes for more detailed information WE model(s) announced October 4, 2011 WE model(s) withdrawn effective July 2012

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