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ThinkPad T420, T420s, T520 Top Options

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www.lenovoquickpick.com

www.lenovo.com/accessoriesguide

www.lenovo.com/support/accessories

ThinkPad T420, T420s, T520 Top Options



- 1 **Mini Dock or Port Replicator**
- 2 **AC or AC/DC Adapter**
- 3 **Battery**
- 4 **Carrying Case**
- 5 **Security Cable Lock**
- 6 **Wireless WAN (WWAN)**
- 7 **Bluetooth Laser mouse**
- 8 **ThinkPad In-Ear Headphones**
- 9 **Security Memory Key**
- 10 **2nd Hard Drive**
- 11 **Portable Secure Hard Drive**
- 12 **DisplayPort Monitor Cable**

ThinkPad T420 Top Options

	Top Option – ThinkPad T420	Part Number
1	ThinkPad Port Replicator Series 3 ThinkPad Mini Dock Series 3 – 90W ThinkPad Mini Dock Plus Series 3 – 90W	4336-10W 4337-10U 4338-10U
2	Lenovo 90W Ultraslim AC/DC Combo Adapter ThinkPad and Lenovo 90W AC Adapter ThinkPad and Lenovo 65W AC Adapter	41R4493 40Y7659 40Y7696
3	ThinkPad Battery 55+ (6 Cell) ThinkPad Battery 55++ (9 cell) ThinkPad Battery 27++ (9 cell slice)	57Y4185 57Y4186 57Y4545 – Use along with system battery
4	ThinkPad Business Topload Case ThinkPad Business Backpack Lenovo Sport Backpack Lenovo Sport Slimcase Lenovo Sport Messenger	43R2476 43R2482 0A33896 Announce/Available: Feb 28 th 0A33897 Announce/Available: Feb 28 th 0A33898 Announce/Available: Feb 28 th
5	Kensington Security Cable Lock by Lenovo	73P2582
6	ThinkPad Gobi Mobile Broadband – U.S. ThinkPad Mobile Broadband – Global except U.S.	0A36185 0A36186
7	ThinkPad Bluetooth Laser Mouse ThinkPad USB Travel Mouse Lenovo Laser Wireless Mouse	41U5008 31P7410 0A36188
8	ThinkPad In-Ear Headphones with microphone	57Y4488
9	4GB, 8GB Lenovo USB Ultra Secure Memory Key	57Y4327, 57Y4328
10	ThinkPad SATA Hard Drive 12.7 mm Bay Adapter III with one of the following: ThinkPad SATA Hard Drive 9.5 mm Bay Adapter III with one of the following: ThinkPad 160GB 2.5" Intel Solid State Drive II ThinkPad 250GB 7200rpm OPAL-capable FDE Hard Drive II	0A65623 Announce: Feb 28 th Available: March 2 nd 43N3412 0A33983 0A33985
11	ThinkPad USB 3.0 Portable Secure 500GB Hard Drive – 500GB, 750GB	0A65619, 0A65616
12	DisplayPort to DisplayPort Monitor Cable DisplayPort to Single-Link DVI-D Monitor Cable DisplayPort to VGA Monitor Cable	0A36537 45J7915 57Y4393

ThinkPad T420s Top Options

	Top Option – ThinkPad T420s	Part Number
1	ThinkPad Port Replicator Series 3 ThinkPad Mini Dock Series 3 – 90W ThinkPad Mini Dock Plus Series 3 – 90W	4336-10W 4337-10U 4338-10U
2	Lenovo 90W Ultraslim AC/DC Combo Adapter ThinkPad and Lenovo 90W AC Adapter ThinkPad and Lenovo 65W AC Adapter	41R4493 40Y7659 40Y7696
3	ThinkPad Battery 66+ ThinkPad Battery 42 (3 cell bay)	0A36287 57Y4536
4	ThinkPad Business Topload Case ThinkPad Business Backpack Lenovo Sport Backpack Lenovo Sport Slimcase Lenovo Sport Messenger	43R2476 43R2482 0A33896 Announce/Available: Feb 28 th 0A33897 Announce/Available: Feb 28 th 0A33898 Announce/Available: Feb 28 th
5	Kensington Security Cable Lock by Lenovo	73P2582
6	ThinkPad Gobi Mobile Broadband – U.S. ThinkPad Mobile Broadband – Global except U.S.	0A36185 0A36186
7	ThinkPad Bluetooth Laser Mouse ThinkPad USB Travel Mouse Lenovo Laser Wireless Mouse	41U5008 31P7410 0A36188
8	ThinkPad In-Ear Headphones with microphone	57Y4488
9	4GB, 8GB Lenovo USB Ultra Secure Memory Key	57Y4327, 57Y4328
10	ThinkPad SATA Hard Drive Bay 9.5 mm Adapter III with one of the following: ThinkPad 160GB 2.5" Intel Solid State Drive II ThinkPad 250GB 7200rpm OPAL-capable FDE Hard Drive II	43N3412 0A33983 0A33985
11	ThinkPad USB 3.0 Portable Secure 500GB Hard Drive – 500GB, 750GB	0A65619, 0A65616
12	DisplayPort to DisplayPort Monitor Cable DisplayPort to Single-Link DVI-D Monitor Cable DisplayPort to VGA Monitor Cable	0A36537 45J7915 57Y4393

ThinkPad T520 Top Options

	Top Option – ThinkPad T520	Part Number
1	ThinkPad Port Replicator Series 3 ThinkPad Mini Dock Series 3 – 90W ThinkPad Mini Dock Plus Series 3 – 90W ThinkPad Mini Dock Plus Series 3 – 170W	4336-10W – Dual Core models only 4337-10U – Dual Core models only 4338-10U – Dual Core models only 4338-30U – All models
2	Lenovo 90W Ultraslim AC/DC Combo Adapter	41R4493 – Dual Core models only
	ThinkPad 135W AC Adapter ThinkPad and Lenovo 90W AC Adapter ThinkPad and Lenovo 65W AC Adapter	55Y9317 – All models 40Y7659 – Dual Core models only 40Y7696 – Dual Core models only
3	ThinkPad Battery 55+ (6 Cell) ThinkPad Battery 55++ (9 cell) ThinkPad Battery 27++ (9 cell slice)	57Y4185 57Y4186 57Y4545 – To be used along with system battery
4	ThinkPad Business Topload Case ThinkPad Business Backpack Lenovo Sport Backpack Lenovo Sport Slimcase Lenovo Sport Messenger	43R2476 43R2482 0A33896 Announce/Available: Feb 28 th 0A33897 Announce/Available: Feb 28 th 0A33898 Announce/Available: Feb 28 th
5	Kensington Security Cable Lock by Lenovo	73P2582
6	ThinkPad Gobi Mobile Broadband – U.S.	0A36185
	ThinkPad Mobile Broadband – Global except U.S.	0A36186
7	ThinkPad Bluetooth Laser Mouse	41U5008
	ThinkPad USB Travel Mouse	31P7410
	Lenovo Laser Wireless Mouse	0A36188
8	ThinkPad In-Ear Headphones with microphone	57Y4488
9	4GB, 8GB Lenovo USB Ultra Secure Memory Key	57Y4327, 57Y4328
10	ThinkPad SATA Hard Drive 12.7 mm Bay Adapter III with one of the following:	0A65623 Announce: Feb 28 th Available: March 2 nd
	ThinkPad SATA Hard Drive 9.5 mm Bay Adapter III with one of the following:	43N3412
	ThinkPad 160GB 2.5" Intel Solid State Drive II	0A33983
	ThinkPad 250GB 7200rpm OPAL-capable FDE Hard Drive II	0A33985
11	ThinkPad USB 3.0 Portable Secure 500GB Hard Drive – 500GB, 750GB	0A65619, 0A65616
12	DisplayPort to DisplayPort Monitor Cable	0A36537
	DisplayPort to Single-Link DVI-D Monitor Cable	45J7915
	DisplayPort to VGA Monitor Cable	57Y4393

Note: T520 Quad Core models have higher power requirements. 90W, 65W AC Adapters are not supported on T520 Quad Core models.

ThinkPad T420, T420s, T520 Top Options

ThinkPad Port Replicator Series 3

**Rear ports offers basic cable management and connectivity;
Quick and easy access to peripherals**

- 4 USB 2.0 ports
- VGA analog video port
- RJ-45 Gigabit Ethernet
- Cable Lock slot for physical security
- Compatible with 90W, 135W AC Adapter



*T420, T420s
T520 dual core models*



Notes:

- Does not include a AC Power Adapter. AC Power Adapter is purchased separately.
- Does not support T520 Quad Core models

www.lenovo.com/support/docks
www.lenovo.com/support/poweradapters

“Docking Solutions Brochure” via:
www.lenovo.com/accessoriesguide

ThinkPad Port Replicator Series 3 (4336-10W) – T420, T420s and T520 dual core

ThinkPad T420, T420s, T520 Top Options

ThinkPad Mini Dock Series 3

Rear ports offers enhanced cable management for users who require: multiple monitors, convenient security or easy access to peripherals

- 6 USB 2.0 ports
- Audio ports: Microphone in, headphone out
- Three video ports (VGA analog, DVI digital, DisplayPort) for multiple monitors:
 - NVIDIA Optimus: Use two (dual) of three video ports



**T420, T420s
T520 dual core models**



www.lenovo.com/support/thinkpad/optimus-monitors

NVIDIA Optimus Graphics: Attach two monitors with an active ThinkPad display

- Integrated Graphics: Use any two (dual) of video ports

Integrated Graphics: Use any two ports to attach two monitors



- RJ-45 Gigabit Ethernet
- Key Lock and Cable Lock Slot for physical security
- Includes 90W AC Adapter

Notes:

- Does not support T520 Quad Core models
- DVI-D digital monitor port does not support DVI-to-VGA monitor adapter
- NVIDIA Optimus requires Windows 7

www.lenovo.com/support/docks

“Docking Solutions Brochure” via:
www.lenovo.com/accessoriesguide

ThinkPad Mini Dock Series 3 (4337-10U) – T420, T420s and T520 dual core



ThinkPad T420, T420s, T520 Top Options

ThinkPad Mini Dock Plus Series 3

Rear ports offers advanced cable management for users who require: multiple monitors, e-SATA storage or easy access to peripherals

- 6 USB 2.0 ports
- Audio ports: Microphone in, headphone out
- Five video ports (VGA analog, 2-DVI digital, 2-DisplayPort) for multiple monitors:
 - NVIDIA Optimus: Use three (triple) of five video ports



www.lenovo.com/support/thinkpad/optimus-monitors

NVIDIA Optimus Graphics: Attach three monitors with an active ThinkPad display

- Integrated Graphics: Use any two (dual) of video ports



Integrated Graphics: Use any two ports to attach two monitors

- RJ-45 Gigabit Ethernet and E-SATA Connector
- Key Lock and Cable Lock Slot for physical security
- 4338-10U includes 90W AC Adapter, 4338-30U includes 170W AC Adapter

“Docking Solutions Brochure” via:

www.lenovo.com/accessoriesguide

Notes:

- DVI-D digital monitor port does not support DVI-to-VGA monitor adapter
- NVIDIA Optimus requires Windows 7

www.lenovo.com/support/docks

ThinkPad Mini Dock Plus Series 3 – 90W (4338-10U) – T420, T420s and T520 dual core
ThinkPad Mini Dock Plus Series 3 – 170W (4338-30U) – All models



ThinkPad T420, T420s, T520 Top Options

Lenovo 90W Ultralim AC/DC Combo Adapter

**Power your notebook and your cell phone, PDA where you go;
in the office, at home, on the road, or in the air**

- Simultaneously charge cell phones or PDA devices
- Small, lightweight: 400 grams (0.88 lbs)
- Includes L9 Generic USB device tip (41R4317) and Dual Charging Cable (41R4345)



Notes:

- Not supported on T520 Quad Core models

www.lenovopowertips.com

www.lenovo.com/support/poweradapters

Optional Device Tips		
Tip	Phones	Part Number
L2	Nokia	41R4310
L8a	Generic Mini USB	41R4478
L9	Generic USB	41R4317
L10a	Apple iPod, iPhone	41R4481
L11	Nokia	41R4394
L14	LG	41R4406
L18	Generic Micro USB	41R4490

Lenovo 90W Ultralim AC/DC Combo Adapter (41R4493) – T420, T420s and T520 dual core

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ThinkPad T420, T420s, T520 Top Options

ThinkPad AC Adapters

Have a spare power adapter at home, or your carry case

135W AC Adapter

- 830 g (1.83 lbs)

90W AC Adapter

- More power, less time charging
- 360 g (0.79 lbs)

65W AC Adapter

- Performs at same specifications as standard AC adapter that includes with ThinkPad
- Smallest adapter available from Lenovo
- 260 g (0.57 lbs.)



Notes:

Dual Core systems: 65W AC adapter supports models with integrated graphics only. Those with discrete graphics should use the 90W AC adapter.

Quad Core systems: T520 Quad Core systems have higher power requirements. 90W, 65W AC Adapters are not supported on T520 Quad Core models.

www.lenovo.com/support/poweradapters

ThinkPad 135W AC Adapter	(55Y9317) – T520 all models
ThinkPad and Lenovo 90W AC Adapter	(40Y7659) – T420, T420s and T520 dual core
ThinkPad and Lenovo 65W AC Adapter	(40Y7696) – T420, T420s and T520 dual core



ThinkPad T420, T520 Top Options

ThinkPad Batteries

Carry battery spares, or replace system batteries when charge capacity diminishes with time

	ThinkPad Battery 55+ (6 cell)	ThinkPad Battery 55++ (9 cell)	ThinkPad Battery 27++ (9 cell Slice)
Part Number	57Y4185	57Y4186	57Y4545
Battery Energy	57 Watt-hours	94 Watt-hours	94 Watt-hours
Weight	340 g (0.75 lb)	500 g (1.10 lb)	612 g (1.35 lb)
Additional Information	-----	-----	<ul style="list-style-type: none"> ■ Use along with system battery for an all-day computing experience. ■ Attaches under ThinkPad using docking connectors. <ul style="list-style-type: none"> - Not supported when using Series 3 docks, port replicators
ThinkPad External Battery Charger (40Y7625) compatible	Yes	Yes	Yes



www.lenovo.com/support/batteries
www.lenovo.com/alldaycomputing

ThinkPad T420s Top Options

ThinkPad Batteries

Carry battery spares, or replace system batteries when charge capacity diminishes with time

	ThinkPad Battery 66+ (6 cell)	ThinkPad Battery 42 (3 cell bay)
Part Number	0A36287	57Y4536
Cells	6	3
Energy (Watt-hour)	43 Wh	32 Wh
Weight	300 g (0.67 lb)	240 g (0.43 lb)
Additional Information	-----	<ul style="list-style-type: none"> Use along with system battery to increase your all-day computing experience.
ThinkPad External Battery Charger (40Y7625) compatible 	Yes	Yes

www.lenovo.com/support/batteries

www.lenovo.com/alldaycomputing

www.lenovo.com/support/batterycharger



ThinkPad T420, T420s, T520 Top Options

ThinkPad Carrying Cases

Easily transport and protect your ThinkPad, up to 15.6-inch wide, against bumps and jostles

ThinkPad Business Topload Case

- Durable entry-level case with executive styling
- Nylon construction
- Padded shoulder strap and comfortable carrying handles
- Slim file area
- Advanced workstation including accessory pockets, pen loops, and business card holder
- SafePORT air protection in a soft-lined PC compartment



ThinkPad Business Backpack

- Feature-rich backpack for day-to-day or travel use
- Padded mesh, breathable shoulder straps
- Easy-access pocket and airline ticket and passport holder
- Advanced workstation including accessory pockets, pen loops, & business card holder
- SafePORT air protection in a soft-lined PC compartment
- Security pocket



www.lenovo.com/support/cases

ThinkPad Business Topload Case	(43R2476)
ThinkPad Business Backpack	(43R2482)

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ThinkPad T420, T420s, T520 Top Options

Lenovo Sport Cases

Announce / Availability: February 28

Easily transport and protect your Lenovo laptop, up to 15.6W, against bumps and jostles

Lenovo Sport Backpack

- Single compartments for your laptop
- Easy access pocket for quick access to: keys, plane tickets, MP3 player
- Dual mesh side pockets
- Basic workstation for pens, keys and small accessories



Lenovo Sport Slimcase

- Single compartment for your laptop
- Easy access pocket for quick access to: keys, plane tickets, MP3 player
- Basic workstation for pens, keys and small accessories
- Trolley Strap



Lenovo Sport Messenger

- Separate laptop compartment with a folder section
- Easy access pocket for quick access to: keys, plane tickets, MP3 player
- Basic workstation for pens, keys and small accessories



www.lenovo.com/support/cases

Lenovo Sport Backpack (0A33896)
Lenovo Sport Slimcase (0A33897)
Lenovo Sport Messenger (0A33898)

Announce / Availability:
February 28

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ThinkPad T420, T420s, T520 Top Options

Lenovo & ThinkPad mice

Perfect for anyone looking for a compact mouse to use everyday or while on-the-go

ThinkPad Bluetooth Laser Mouse

- Unique soft-touch finish for the ultimate in all-day comfort
- High definition Laser sensor resolution for precise control
- Tilt wheel for 4-way scrolling
- Quick and easy pairing with Lenovo's exclusive "EasyPair" Software
- Switches to low power mode during periods of inactivity
- Unique battery compartment with hinge design and USB dongle storage



Note: Requires a Bluetooth enabled system or an optional USB Bluetooth Receiver.

ThinkPad USB Travel Mouse

- Small footprint design for both right and left-hand usage
- Unique soft-touch finish for the ultimate in all-day comfort
- Programmable scroll wheel acts as a 3rd button



Lenovo Laser Wireless Mouse

- Unique soft-touch finish for the ultimate in all-day comfort
- High definition Laser sensor resolution for precise control
- Unique soft-touch finish for the ultimate in all-day comfort
- Tilt wheel for 4-way scrolling and 3rd button function
- USB dongle stores inside the mouse



www.lenovo.com/support/mice

ThinkPad Bluetooth Laser Mouse (41U5008)

ThinkPad USB Travel Mouse (31P7410)

Lenovo Laser Wireless Mouse (0A36188)



ThinkPad T420, T420s, T520 Top Options

ThinkPad In-Ear Headphones with microphone

High-quality voice and audio performance for internet voice conversations, multimedia applications

- Noise isolating in-ear design
- Well-balanced high and mid range sounds
- Discreet hands-free inline microphone for clear communications
- Three pairs (small, medium, large) of silicone sleeves tips for optimal fit and comfort
- 2 x 3.5mm Jack Adapter included for maximum laptop and desktop compatibility
- Protective carry pouch for storage
- 1.2-meter (3.94-foot) cable length



www.lenovo.com/support/audio

ThinkPad In-Ear Headphones with microphone (57Y4488)

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ThinkPad T420, T420s, T520 Top Options

Kensington Security Cable Locks by Lenovo

Help reduce theft, and increase physical asset security protection

- Secure your ThinkPad, dock, port replicator or flat panel monitor
- Easy to install and use for office environments
- Strong, steel composite cable with carbon tempered steel core:
 - MircoSaver: 6.0-feet, 5.5 mm thick cable
 - Twin Head: 7.0-feet, 5.5 mm thick
- Sleek styling and design of rotating head and pivoting cable:
 - Allows you to easily connect and position the lock
 - Will not block notebook ports or lift notebook off the table
- Attached rubber cable tie for cable management
- Free replacement keys available
 - Requires keycode from key (customers need to record keycodes)
 - Order via: www.replacementkey.kensington.com
- Twin Head Cable Lock to secure two devices
 - 2nd lock “floats”, “moves” along the cable for user preference

*90% of organizations experience notebook theft **

*In U.S., a notebook is stolen every 53 seconds, 97% are never recovered ***

www.lenovo.com/support/security

Kensington Microsaver Security Cable Lock by Lenovo (73P2582)

Kensington Twin Head Cable Lock from Lenovo (45K1620)



MicroSaver (73P2582)



Twin Head (45K1620)

* IDC 2007 ** Safeware Insurance Group

ThinkPad T420, T420s, T520 Top Options

ThinkPad WWAN Ready Support

Work anywhere you want. Add WWAN to your WWAN ready ThinkPad



ThinkPad Gobi Mobile Broadband – U.S.

- Gobi 3000



ThinkPad Mobile Broadband – Global except U.S.

- Ericsson F5521gw



Requires service contract with the service provider; monthly service charges and airtime charges (based on data throughput) will apply. Roaming charges may also apply. Service may not be available in all areas.

www.lenovo.com/support/wireless

ThinkPad Gobi Mobile Broadband – U.S.	(0A36185)
ThinkPad Mobile Broadband – Global except U.S.	(0A36186)



ThinkPad T420, T420s, T520 Top Options

Lenovo Memory Keys

Transportable storage that is easy to share and carry with you

- Lenovo USB Ultra Secure Memory Keys:
 - Slim design
 - Includes Vista Ready Boost support
 - Improves boot-up time and system performance
 - Includes password protection
 - Improved encryption Advanced Encryption Standard (AES) algorithm.
 - Ultra Secure Memory Keys also offer:
 - Forced password protection
 - No software installation needed



www.lenovo.com/support/security

Lenovo USB Ultra Secure Memory Key – 4GB	(57Y4327)
Lenovo USB Ultra Secure Memory Key – 8GB	(57Y4328)

ThinkPad T420, T420s, T520 Top Options

ThinkPad Solid State Drives

**Step-up in performance, design and reliability - an alternative to traditional hard drives;
Ideal for always-in-use, on-the-go users**

ThinkPad 160GB Intel Solid State Drive II

- When compared to standard hard drives, the no-moving parts design offers:
 - Higher reliability and longer-life span
 - Rugged to withstand bumps and shocks without losing precious data
 - Faster system responsiveness, including system boot-up and shutdown
 - Lower power consumption allows users to stay mobile longer
 - Approximately 15% lighter weight and noiseless operation
- Supports SATA II features:
 - 3.0 GB/sec SATA devices, supporting NCQ, hot-plug with asynchronous signal recovery, software settings preservation, and device initiated power management

www.intel.com/go/ssd

www.intel.com/go/ssdtoolbox



ThinkPad 256GB FDE Solid State Drive

- Full data encryption: AES 256-bit
- Transfer rate: 3.0 GB/sec



www.lenovo.com/support/notebook/harddrives

ThinkPad 160GB Intel Solid State Drive II	(0A33983)
ThinkPad 256GB FDE Solid State Drive	(43N3417)

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ThinkPad T420, T520 Top Options

ThinkPad Serial ATA Storage

Install a 2nd HDD for additional internal storage

ThinkPad Serial ATA Hard Drive Bay Adapter III

- Easily transfer data or images from the primary hard drive
- Provides an easy way to back-up data
- Supports Serial ATA Hard Drives and Solid State Drives, which can include:
 - ThinkPad 250GB 7200rpm OPAL-capable FDE Hard Drive II (0A33985)
 - ThinkPad 320GB 7200rpm Hard Drive II (0A33986)
 - ThinkPad 128GB Solid State Drive II (0A33984)
 - ThinkPad 160GB Intel Solid State Drive II (0A33983)

ThinkPad SATA Hard Drive 12.7 mm Bay Adapter III (0A65623)
Announce: February 28, Available: March 2

Note: T420, T520 has a 12.7 mm Bay. Use 9.5 mm Bay Adapter III (43N3412) until 12.7 mm Bay Adapter III (0A65623) is available.

For a complete list of HDD's and SSD's, go to:

www.lenovo.com/support/notebook/harddrives

ThinkPad SATA Hard Drive 12.7 mm Bay Adapter III	(0A65623) with
ThinkPad SATA Hard Drive 9.5 mm Bay Adapter III	(43N3412) with
ThinkPad 250GB 7200rpm OPAL-capable FDE Hard Drive II	(0A33985) or
ThinkPad 320GB 7200rpm Hard Drive II	(0A33986) or
ThinkPad 128GB Solid State Drive II	(0A33984) or
ThinkPad 160GB Intel Solid State Drive II	(0A33983)



Hard Drive



Solid State Drive

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ThinkPad T420s Top Options

ThinkPad Serial ATA Storage

Install a 2nd HDD for additional internal storage

ThinkPad Serial ATA Hard Drive Bay Adapter III

- Easily transfer data or images from the primary hard drive
- Provides an easy way to back-up data
- Supports Serial ATA Hard Drives and Solid State Drives, which can include:
 - ThinkPad 250GB 7200rpm OPAL-capable FDE Hard Drive II (0A33985)
 - ThinkPad 320GB 7200rpm Hard Drive II (0A33986)
 - ThinkPad 128GB Solid State Drive II (0A33984)
 - ThinkPad 160GB Intel Solid State Drive II (0A33983)



Hard Drive



Solid State Drive

For a complete list of HDD's and SSD's, go to:

www.lenovo.com/support/notebook/harddrives

ThinkPad SATA Hard Drive 9.5 mm Bay Adapter III	(43N3412) with
ThinkPad 250GB 7200rpm OPAL-capable FDE Hard Drive II	(0A33985) or
ThinkPad 320GB 7200rpm Hard Drive II	(0A33986) or
ThinkPad 128GB Solid State Drive II	(0A33984) or
ThinkPad 160GB Intel Solid State Drive II	(0A33983)

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ThinkPad T420, T420s, T520 Top Options

ThinkPad USB 3.0 Portable Secure Hard Drives

Secure your valuable data in a slim, lightweight, self-powered easy to use design.

- Real-time AES 256-bit encryption with no read/write speed impact
- 8 to 16 digit password for one user ID and one administrator ID
- Drive automatically locks itself after a period no activity
- Built-in USB 3.0 cable with an integral storage slot
- No software drivers required for Microsoft Windows 7, Windows XP and Vista
- Supports USB 2.0 interfaces
- Shock-mounted 5400 rpm hard drive capacity
- USB Y-extension cable to ensures adequate power
 - No requirement for an AC power adapter
- Immediately lock the drive by pressing the Cancel key
- 3 year warranty



www.lenovo.com/support/security

ThinkPad USB 3.0 Portable Secure 500GB Hard Drive	(0A65619)
ThinkPad USB 3.0 Portable Secure 750GB Hard Drive	(0A65616)

ThinkPad T420, T420s, T520 Top Options

DisplayPort to DisplayPort Monitor Cable

Attach ThinkVision Monitor to the DisplayPort monitor port on:

- ThinkCentre system
- Graphic Cards, with DisplayPort, installed into ThinkCentre system



- 2560 x 1600 resolution
- Cable length: 1.8 m (5.9-feet)
- DisplayPort 1.2 compliant



Note: ThinkVision LT2452p, LT2252p, LT1952p Monitors do not include a DisplayPort cable

DisplayPort Monitor Cables

Attach DVI-D digital or VGA analog monitor to a DisplayPort connector on:

- ThinkCentre system
- Graphic Cards, with DisplayPort, installed into ThinkCentre system










- 1920 x 1200 resolution
- Cable length: 20 cm (7.8-inch)

www.lenovo.com/support/monitoraccessories
www.lenovo.com/support/displayport-cables

ThinkPad T420, T420s, T520 Top Options

Multiple Monitors

Configuration	Hardware Requirements
<p>ThinkPad Display, and one external monitor</p> 	<ul style="list-style-type: none"> ▪ Monitor attached to ThinkPad VGA port or DisplayPort** <ul style="list-style-type: none"> - Maximum VGA analog resolution: 2048 x 1536 - Maximum DisplayPort resolution: 2560 x 1600 ▪ ThinkPad display is enabled. <div style="border: 1px solid black; padding: 5px; margin: 10px 0;"> <p>DisplayPort to DisplayPort Monitor Cable (0A36537)</p> <ul style="list-style-type: none"> • Attach for highest resolution, best image quality • Supports 2560 x 1600 resolution • DisplayPort 1.2 compliant  </div> <div style="border: 1px solid black; padding: 5px; margin: 10px 0;"> <p>Attach a DVI Digital or VGA Analog monitor to DisplayPort using: DisplayPort to Single-Link DVI-D Monitor Cable (45J7915) DisplayPort to VGA Analog Monitor Cable (57Y4393)</p>  </div>
<p>No ThinkPad display, and two external monitors</p> 	<ul style="list-style-type: none"> ▪ Two monitors attached to ThinkPad VGA port and DisplayPort** <ul style="list-style-type: none"> - Maximum VGA analog resolution: 2048 x 1536 - Maximum DisplayPort resolution: 2560 x 1600 ▪ ThinkPad display is disabled.
<p>ThinkPad display, and external monitors using NVIDIA Optimus Technology</p>  <div style="display: flex; justify-content: space-around; margin-top: 20px;"> <div style="text-align: center;">  <p>With Mini Dock Plus Series 3</p> </div> <div style="text-align: center;">  <p>With Mini Dock Plus Series 3</p> </div> </div>	<ul style="list-style-type: none"> ▪ One of the following: <ul style="list-style-type: none"> - Two monitors attached to any of the three ports on ThinkPad Mini Dock Series 3 - Three monitors attached to any of the five ports on the ThinkPad Mini Dock Plus Series 3 ▪ ThinkPad display is active <p style="text-align: center; color: green; margin-top: 20px;">www.lenovo.com/support/thinkpad/optimus-monitors</p>



ThinkPad T420, T420s, T520 Top Options



Note: DisplayPort to DisplayPort Monitor Cable (0A36537) is required when attaching the ThinkVision LT2452p, LT2252p, LT1952p Monitors to the systems DisplayPort monitor port.



Product	LT2452p	L2321x Wide	L2251x Wide	LT2252p	L2250p Wide	LT1952p
Model	4420-MB2	4014-HB6	2578-HB6	2572-HD6	2572-HB6	2448-MB6
Monitor Size	24.0-inch wide	23.0-inch, 584mm	22.0-inch, 559mm	22.0-inch wide	22.0-inch, 559mm	19.0-inch wide
Panel Technology	WLED, e-IPS	CCFL, TN	CCFL, TN	WLED, TN	CCFL, TN	WLED, TN
Resolution	1920 x 1200	1920 x 1080	1680 x 1050	1680 x 1050	1680 x 1050	1440 x 900
Video Input	VGA, DVI, DisplayPort	VGA, DisplayPort	VGA, DisplayPort	VGA, DVI, DisplayPort	VGA, DVI	VGA, DVI, DisplayPort
Video Cables	VGA, DVI 	VGA, DisplayPort	VGA, DisplayPort	VGA, DVI 	VGA, DVI	VGA, DVI
Stand Function	Lift, Tilt, Swivel, Pivot	Lift, Tilt, Swivel, Pivot	Lift, Tilt, Swivel, Pivot	Lift, Tilt, Swivel, Pivot	Lift, Tilt	Lift, Tilt, Swivel
Camera / Mic	----	----	Yes	----	----	----
USB Hub	1-up, 3-down	????	1-up, 3-down	----	None	None
Soundbar	45K1263**	45K1263**	45K1263**	45K1263**	45K1263**	45K1263**
Environmental Attributes	TCO Certified Edge 1.1 TCO 5.1	TCO Certified Edge	TCO Certified Edge	TCO Certified Edge 1.1 TCO 5.1	TCO'05	TCO Certified Edge 1.1 TCO 5.1
	EPEAT Gold	EPEAT Gold	EPEAT Gold	EPEAT Gold	EPEAT Gold	EPEAT Gold
	ENERGY STAR 5.0	ENERGY STAR 5.0	ENERGY STAR 5.0	ENERGY STAR 5.0	ENERGY STAR 5.0	ENERGY STAR 5.0
	Mercury-Free (WLED)		Mercury-Free (WLED)	Mercury-Free (WLED)		Mercury-Free (WLED)
			Low Halogen			
	Arsenic Free Glass	Arsenic Free Glass			Arsenic Free Glass	

ThinkPad W520 has a DisplayPort and VGA monitor ports.

www.lenovo.com/thinkvision
www.lenovo.com/support/monitors
www.lenovo.com/support/monitoraccessories



ThinkPad T420, T420s, T520 Top Options

**ThinkPad USB Keyboard with TrackPoint
(55Y9003)**



www.lenovo.com/support/keyboards

**Lenovo Ultralim Plus Wireless
Keyboard & Mouse (0A34042)**



www.lenovo.com/support/keyboards

**3M Privacy Filter from Lenovo
(0A61769 – 14.0W for T420, T420s)
(0A61771 – 15.6W for T520)**



www.lenovo.com/support/security

**ThinkPad Easy Reach Monitor Stand
(45J9292)**



www.lenovo.com/support/stands

**DDR3-1333 Memory
(2GB-55Y3710)
(4GB-55Y3711)**



*ThinkPad T420, T420s, T520 has 2
SODIMM slots for 8GB maximum memory*