

<http://www.theboardroom.info/bios/zender-bios.html>

Modified BIOSes for Thinkpads

Below are the latest TESTED Thinkpad BIOS versions, as originally published by Zender.

He had prepared newer versions, but these were NOT tested, and thus will not be listed here!

I have taken the liberty to download and host these BIOSes until further notice.

And I do this with Zender's permission! I will NOT answer ANY questions about these BIOSes and do NOT resume ANY responsibility for them working or not!

If this webpage gets abuse in any way or form, it will be taken down!

All downloads are files in ZIP format, for making bootable CDs (exceptions noted), follow instructions from Lenovo's website on using bootable ISO BIOS updates.

Patch types:

- **skip** – will only avoid displaying the error 1802/1804/1805 and allow booting; but BIOS will probably send disable signal over disable pin (miniPCIe pin 20) so you'll have to tape it or you won't get it to transmit anything
- **full** – further modified that not only error 180X is avoided, but all (to my knowledge) calls for detecting whitelist presence will succeed; this will *probably* spare you from taping over the disable pin and *might* get the hardware wireless switch working; if your card isn't supported by AccessConnections/Hotkey driver (and only Lenovo-branded ones are), then you still won't be able to control on-off state using Fn-F5

Access Connections support (for non-Lenovo cards, this easy way only works for cards from already supported manufacturers)

- If you don't have AC installed, but use Fn-F5 with Hotkey driver, you just need to open TpFnF5.exe in some hexeditor, search for some ID of supported card and replace it with ID of your card. You can see your card ID in device manager, in properties of your device, called something like Hardware ID. It should be in form of VEN_1234&DEV_5678, search the TpFnF5.exe for DEV=5678 (in plaintext, not hex) and replace it with correct ID.
- If you have AC installed, AcFnF5.exe takes over and will use AC libraries to detect supported cards. Specifically WWAN card IDs seem to be located in AcAdaptersInfo.dll and Acon.dll, there's more for WLAN. One added problem for easy replacing is that the strings here are in unicode, so it will look [like this](#) in [hex editor](#). Again need to replace some supported card with the one you have, as in previous paragraph.

The [link](#) in the *first* column, **Machine**, indicates the ThinkPad **Model Number**, e.g. **R32**.
Click on this "R32" to download the modified BIOS!

The [link](#) in the *second* column, **Based on BIOS**, points to the original BIOS on the IBM/Lenovo website, where you should check if this BIOS is indeed meant for your machine. However, it shouldn't let you flash it, if it isn't...

These modified BIOSes have been tested on at least one machine and did not brick it:

Machine	Based on BIOS	WLAN	WWAN	WUSB	Note
R32	1MET97WW 2.16	skip			FL1 file only, if you want bootable CD, then here
R400	7UET79WW 3.09	full	full	full	contains either two .FL1 files which you should replace in BIOS update from Lenovo (in appropriate folders, both must overwrite some file), or bootable CD, which boots to command line, type command and hit enter to use Lenovo's update tool. Type f1ash2 /u to force update when you already have this version.
R500	7YET78WW 3.08	full	full	full	contains these three files: (1) bootable CD which boots to command line, type command and hit enter to use Lenovo's update tool. Type f1ash2 /u to force update when you already have this version. (2) .FL1 file to replace in BIOS update from Lenovo. (3) .WPH file to be used with WinPhlash - WARNING, WinPhlash WON'T CHECK whether it's for your machine - and if it's not, you might get bricked.
R52	76ET69WW 1.29	full			Uncompresses BIOS file only, 1846-1850, 1870, 1957 machine types
R60	7CETD2WW 2.22	full	full		boots to command line, type command and hit enter to use Lenovo's update tool. Type f1ash2 /u to force update when you already have this version.
R60i/R60e	7EETD0WW 2.20	full	full		machine types 06xx; boots to command line, type command and hit enter to use Lenovo's update tool. Type f1ash2 /u to force update when you already have this version.
R61/R61i	7KETC8WW 2.28	full	full		R61 and R61i 15.4 inch widescreen; contains these three files: (1) bootable CD which boots to command line, type command and hit enter to use Lenovo's update tool. Type f1ash2 /u to force update when you already have this version. (2) .FL1 file to replace in BIOS update from Lenovo.

					(3) .WPH file to be used with WinPhlash - WARNING, WinPhlash WON'T CHECK whether it's for your machine - and if it's not, you might get bricked.
R61/R61i	7OETC3WW 2.23	full	full		machine types 8930, 8932, 8933, 8934, 8935, 8936, 8937; contains these three files: (1) bootable CD which boots to command line, type command and hit enter to use Lenovo's update tool. Type flash2 /u to force update when you already have this version. (2) .FL1 file to replace in BIOS update from Lenovo. (3) .WPH file to be used with WinPhlash - WARNING, WinPhlash WON'T CHECK whether it's for your machine - and if it's not, you might get bricked.
R61	7LETC6WW 2.26	full	full	full	14.1 inch widescreen with IEEE 1394; contains these three files: (1) bootable CD which boots to command line, type command and hit enter to use Lenovo's update tool. Type flash2 /u to force update when you already have this version. (2) .FL1 file to replace in BIOS update from Lenovo. (3) .WPH file to be used with WinPhlash - WARNING, WinPhlash WON'T CHECK whether it's for your machine - and if it's not, you might get bricked.
R61i/R61e	7PETC0WW 2.20	full	full		machine type 7650; boots to command line, type command and hit enter to use Lenovo's update tool. Type flash2 /u to force update when you already have this version.
T400	7UET79WW 3.09	full	full	full	contains either two .FL1 files which you should replace in BIOS update from Lenovo (in appropriate folders, both must overwrite some file), or bootable CD, which boots to command line, type command and hit enter to use Lenovo's update tool. Type flash2 /u to force update when you already have this version.
T43/R52	70ET69WW 1.29	full			machine types 1871-1876, 1858-1863 and 1958; FL1 file only; if you want bootable CD, then here , for downgrading first, you can get

					bootable original 1.28 BIOS update here
T43/T43p	1YET65WW 1.29	skip			machine types 2668, 2669, 2678, 2679, 2686, 2687; FL1 file only; if you want bootable CD, then here , for downgrading first, you can get bootable original 1.28 BIOS update here
T500	6FET79WW 3.09	full	full	full	contains either two .FL1 files which you should replace in BIOS update from Lenovo (in appropriate folders, both must overwrite some file), or bootable CD, which boots to command line, type command and hit enter to use Lenovo's update tool. Type f1ash2 /u to force update when you already have this version.
T60/T60p	79ETE5WW 2.25	full	full		contains either a .FL1 file which you should replace in BIOS update from Lenovo (in appropriate folder, must overwrite some file), or bootable CD, which boots to command line, type command and hit enter to use Lenovo's update tool. Type f1ash2 /u to force update when you already have this version.
T60 WS	7IET34WW 1.15	full	full		boots to command line, type command and hit enter to use Lenovo's update tool. Type f1ash2 /u to force update when you already have this version.
T61/T61p	7LETC6WW 2.26	full	full	full	contains these three files: (1) bootable CD which boots to command line, type command and hit enter to use Lenovo's update tool. Type f1ash2 /u to force update when you already have this version. (2) .FL1 file to replace in BIOS update from Lenovo. (3) .WPH file to be used with WinPhlash - WARNING, WinPhlash WON'T CHECK whether it's for your machine - and if it's not, you might get bricked.
V200	65ET59WW	skip			New BIOS structure, slightly higher risk.
W500	6FET79WW 3.09	full	full	full	contains either two .FL1 files which you should replace in BIOS update from Lenovo (in appropriate folders, both must overwrite some file), or bootable CD, which boots to

					command line, type command and hit enter to use Lenovo's update tool. Type flash2 /u to force update when you already have this version.
X200	6DET61WW 3.11 7XET61WW 3.11	full	full	full	contains either two .FL1 files which you should replace in BIOS update from Lenovo (in appropriate folders, both must overwrite some file), or bootable CD, which boots to command line, type command and hit enter to use Lenovo's update tool. Type flash2 /u to force update when you already have this version.
X200 T	7WET50WW 3.00	full	full	full	contains either .FL1 file to replace in BIOS update from Lenovo, or .WPH file to be used with WinPhlash - WARNING, WinPhlash WON'T CHECK whether it's for your machine - and if it's not, you might get bricked.
X300	7TET36WW 1.10	full	full	full	contains these three files: (1) bootable CD which boots to command line, type command and hit enter to use Lenovo's update tool. Type flash2 /u to force update when you already have this version. (2) .FL1 file to replace in BIOS update from Lenovo. (3) .WPH file to be used with WinPhlash - WARNING, WinPhlash WON'T CHECK whether it's for your machine - and if it's not, you might get bricked.
X301	6EET47WW 3.07	full	full	full	contains these three files: (1) bootable CD which boots to command line, type command and hit enter to use Lenovo's update tool. Type flash2 /u to force update when you already have this version. (2) .FL1 file to replace in BIOS update from Lenovo. (3) .WPH file to be used with WinPhlash - WARNING, WinPhlash WON'T CHECK whether it's for your machine - and if it's not, you might get bricked.
X41	74ET64WW 2.09	full			FL1 file only
X41 T	75ET60WW 2.06	full			FL1 file only, also available: uncompressed/wph and floppy
X60/X60s	7BETD7WW 2.18	full	full		boots to command line, type command and hit enter to use Lenovo's update tool. Type flash2 /u to force update

					when you already have this version.
X60 T	7JET30WW 1.15	full	full		boots to command line, type command and hit enter to use Lenovo's update tool. Type flash2 /u to force update when you already have this version.
X61/X61s	7NETC1WW 2.21	full	full		contains these three files: (1) bootable CD which boots to command line, type command and hit enter to use Lenovo's update tool. Type flash2 /u to force update when you already have this version. (2) .FL1 file to replace in BIOS update from Lenovo. (3) .WPH file to be used with WinPhlash - WARNING, WinPhlash WON'T CHECK whether it's for your machine - and if it's not, you might get bricked.
X61 T	7SET38WW 1.24	full	full		contains these three files: (1) bootable CD which boots to command line, type command and hit enter to use Lenovo's update tool. Type flash2 /u to force update when you already have this version. (2) .FL1 file to replace in BIOS update from Lenovo. (3) .WPH file to be used with WinPhlash - WARNING, WinPhlash WON'T CHECK whether it's for your machine - and if it's not, you might get bricked.
Z60	77ET64WW 1.24	full	full		FL1 file only, if you want bootable CD, then here
Z61	7FETA7WW 2.25	full	full		boots to command line, type command and hit enter to use Lenovo's update tool. Type flash2 /u to force update when you already have this version.