phenax /
nixos-dotfiles

<> Code   ⊙ Issues   ⇄ Pull requests   ▷ Actions   ⊞ Projects   ⊘ Security   ∿ Insigh

nixos-dotfiles / hardware / thinkpad-e14 / **default.nix** ⧉

phenax Hw fixes on update   084e980 · last week   ⟲

141 lines (130 loc) · 3.12 KB

| Code | Blame |

🔳 Raw ⧉ ⭳   ✎ ⌄   <>

```
 1    { config, lib, pkgs, modulesPath, ... }:
 2    {
 3      imports = [
 4        (modulesPath + "/installer/scan/not-detected.nix")
 5      ];
 6
 7      services.fwupd.enable = true;
 8
 9      # boot.kernelPackages = pkgs.linuxPackages_6_9;
10      boot.kernelPackages = pkgs.linuxPackages_xanmod_stable;
11      boot.initrd = {
12        availableKernelModules = [
13          "xhci_pci"
14          "ahci"
15          "nvme"
16          "usb_storage"
17          "thunderbolt"
18          "sd_mod"
19        ];
20        kernelModules = [ "i915" ];
21      };
22      boot.kernelModules = [
23        "kvm-intel"
24        "rtw88_8822ce"
25        "sd_mod"
26        "snd-seq"
27        "snd-rawmidi"
28        "uinput"
29        "v4l2loopback"
30        "acpi_call"
31        "thinkpad_acpi"
32        "coretemp"
33      ];
34      boot.extraModulePackages = with config.boot.kernelPackages; [
35        acpi_call
36        v4l2loopback
37      ];
```

```nix
    };
38      boot.kernelParams = [
39        "i8042.nopnp=1"
40        "pci=nocrs"
41        "acpi_osi=linux"
42        "acpi_backlight=native"
43        "i915.enable_dpcd_backlight=0"
44        "i915.enable_guc=2"
45        # "acpi_backlight=vendor"
46        # "acpi_backlight=intel_backlight"
47        # "i915.force_probe=46a8"
48      ];
49      boot.extraModprobeConfig = ''
50        options snd slots=snd-hda-intel
51        options v4l2loopback exclusive_caps=1 card_label="Virtual Camera"
52        options thinkpad_acpi experimental=1 fan_control=1
53      '';
54      boot.supportedFilesystems = [ "ntfs" ];
55      # boot.binfmt.emulatedSystems = [ "aarch64-linux" ];
56
57      services.throttled.enable = true;
58      services.thermald = {
59        enable = true;
60        ignoreCpuidCheck = true;
61      };
62
63      services.udev = {
64        packages = with pkgs; [
65          alsa-utils
66          android-udev-rules
67          platformio-core.udev
68          openocd
69        ];
70      };
71
72      environment.systemPackages = with pkgs; [
73        mesa
74        xorg.xf86inputlibinput
75        # xorg.xf86videointel
76      ];
77      services.xserver.videoDrivers = [ "modesetting" ];
78
79      hardware = {
80        enableAllFirmware = true;
81        cpu.intel.updateMicrocode = true;
82      };
83
84      nixpkgs.config.packageOverrides = pkgs: {
85        vaapiIntel = pkgs.vaapiIntel.override { enableHybridCodec = true; };
86      };
87      hardware.graphics = {
88        enable = true;
89        # enable32Bit = true;
```

```nix
 90        # driSupport = true;
 91        # driSupport32Bit = true;
 92        extraPackages = with pkgs; [
 93          intel-media-driver
 94          # intel-vaapi-driver
 95          vaapiIntel
 96          vaapiVdpau
 97          libvdpau-va-gl
 98          intel-gmmlib
 99          vulkan-tools
100          mesa.drivers
101        ];
102      };
103      environment.variables = {
104        VDPAU_DRIVER = "va_gl";
105        LIBVA_DRIVER_NAME = "iHD";
106      };
107      # services.xserver.videoDrivers = [ "intel" ];
108
109      # Bootloader
110      boot.loader = {
111        systemd-boot = {
112          enable = true;
113          configurationLimit = 30;
114        };
115        timeout = 1;
116        efi.canTouchEfiVariables = true;
117      };
118
119      # File system
120      boot.initrd.luks.devices."crypted".device = "/dev/disk/by-uuid/17ac9757·
121      fileSystems = {
122        "/" = {
123          device = "/dev/mapper/crypted";
124          fsType = "ext4";
125        };
126        "/boot" = {
127          device = "/dev/disk/by-label/boot";
128          fsType = "vfat";
129        };
130      };
131      swapDevices = [{ device = "/dev/disk/by-label/swap"; }];
132
133      nixpkgs.hostPlatform = lib.mkDefault "x86_64-linux";
134      networking.useDHCP = lib.mkDefault true;
135      powerManagement = {
136        enable = false;
137        cpuFreqGovernor = "powersave";
138      };
139
140      services.tlp.enable = lib.mkDefault false;
141    }
```