

Zweite Generation der Ginzinger Embedded Linux Distribution. Basierend auf Mainline Linux Kernel 5.4. und 5.10 (i.MX8M)

1 Hardware Unterstützung

- NPTL (Native POSIX Thread Library)
- Compiler Optimierung: O2
- Linker Optimierung: hash=both, O1
- Konsole: automatisch (kernel argumente)

i.MX28:

- ARMv5TEJ
- EABI (embedded-application binary interface)
- softfloat

i.MX53:

- ARMv7-A
- EABI (embedded-application binary interface)
- hardfloat: vfpv3/neon (FPU Register)

i.MX6:

- ARMv7-A
- EABI (embedded-application binary interface)
- hardfloat: vfpv3/neon-fp16 (FPU Register)

i.MX6 UltraLite/ULL:

- ARMv7-VE
- EABI (embedded-application binary interface)
- hardfloat: vfpv4/neon (FPU Register)

i.MX8M:

- ARMv8-A
- AArch64 ABI

i586:

- x86 i586

2 Qt Creator

- qt-creator-v8.0.2

- Qt-v5.15.8-lts-lGPL

- Kompatibel: Debian: 10, 11, Ubuntu: 22.04, 23.04 (latest)

3 GINZINGER UPDATE MECHANISMUS

- ge_update_V7.14
- Einfache Erzeugung von Update-Images
- Automatische Erkennung der System-Konfiguration (system-type, ...)
- Patch- oder Full-Updates für Patch-Versions-Nummer
- Konfigurierbare Update-Regeln (down-date, re-date, update)

- Zusätzliche Checks
- Automatische Display-Rotation
- Unterstützung für Update von MMC/SD-Karten
- Unterstützung Kernel-Parameter für rootfs-, data- und flag-partition
- Unterstützung rootfs-Filesysteme: squashfs, ubifs, jffs2 auf ubi

- Unterstützung data-Filesysteme: jffs2 und ubifs
- Unterstützung für Update vom internen Flash (Daten Partition)
- Verwendung von squashfs statt cramfs für Update Images auf i.MX6, i.MX6UL und i.MX8
- Unterstützung für Headless Devices (ohne Framebuffer)

4 KERNEL SOURCE

- linux-5.4.258-ge-23.10 ^{1,2,3,4,5}
- linux-5.10.72-imx-ge-22.04 ⁶

5 PROJECT TEMPLATES

- | | |
|---|--|
| <ul style="list-style-type: none"> • EMPTY • c • cpp | <ul style="list-style-type: none"> • nodejs ^{2,3,4,6} • qt-core • qt-gui |
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| <ul style="list-style-type: none"> • qt-quick ^{3,4,6} • iflite-label-image ^{2,3,4,6} • iflite-python-label-wav ^{2,3,4,6} |
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6 SOFTWARE PAKETE FÜR GELIN-PROJEKTE

- | | |
|--|---|
| <ul style="list-style-type: none"> • audio_base • audio_tools • busybox • ca_certs • can_utils • datafs_async • datafs_ext4_data_mode_order • dosfstools • e2fsprogs • firmware_pan9028 • firmware_rtl8192cu • firmware_twl18xx • fonts_X11 • fonts_base • fonts_dejavu • fonts_liberation • gdbserver • ge_ethmgr • ge_update ^{1,2,3,4,6} • ge_wlanmgr | <ul style="list-style-type: none"> • gpg2 • gpio_tools • gstreamer • gstreamer_bayer2rgbneon ^{2,3,4} • gstreamer_v4l2 • hotplugd • i2c_tools • libgecan_tools • linrpcl2 • mariadb • mtdutils • mtdutils_test • nodejs ^{2,3,4,6} • packages_common_helper.sh • python3 ^{2,3,4,6} • qt_common • qt_display_auto • qt_display_common • qt_display_eglfskms ^{3,6} • qt_display_linuxfb |
|--|---|

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|--|
| <ul style="list-style-type: none"> • qt_misc • qt_plugins_3d ^{3,6} • qt_plugins_bearer • qt_plugins_canbus • qt_plugins_imageformats • qt_plugins_input_misc • qt_plugins_location • qt_plugins_multimedia • qt_plugins_qmldebug ^{3,4,6} • qt_plugins_sensors • qt_plugins_sql • qt_plugins_webview ^{3,4,6} • qt_qmlmodules_3d ^{3,6} • qt_qmlmodules_bluetooth ^{3,4,6} • qt_qmlmodules_charts ^{3,4,6} • qt_qmlmodules_common ^{3,4,6} • qt_qmlmodules_graphicaleffec ^{3,6} • qt_qmlmodules_location ^{3,4,6} • qt_qmlmodules_multimedia ^{3,6} • qt_qmlmodules_nfc ^{3,4,6} |
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- | |
|---|
| <ul style="list-style-type: none"> • qt_qmlmodules_qml ^{3,4,6} • qt_qmlmodules_qt_labs ^{3,4,6} • qt_qmlmodules_quick2 ^{3,4,6} • qt_qmlmodules_sensors ^{3,4,6} • qt_qmlmodules_test ^{3,4,6} • qt_qmlmodules_webchannel ^{3,4,6} • qt_qmlmodules_webengine ^{3,4,6} • qt_qmlmodules_webkit ^{3,4,6} • qt_qmlmodules_websockets ^{3,4,6} • qt_qmlmodules_webview ^{3,4,6} • qt_quick ^{3,6} • qt_touchscreen • qt_webengine ^{3,4,6} • rng • rootfs_base • splashscreen • splashscreen_logo • ssh_client • ssh_server • telnet_server |
|---|

- tensorflow_lite^{2,3,4,6}
- tensorflow_lite_cpu^{2,3,4,6}
- terminfo
- tpmtools

- tslib
- tslib_tools
- tslib_uinput
- ubiutils

- valgrind_callgrind^{2,3,4,5,6}
- valgrind_common^{2,3,4,5,6}
- valgrind_full^{2,3,4,5,6}
- valgrind_memcheck^{2,3,4,5,6}

- wlan
- zoneinfo

7 QUELLEN PAKETE

7.1 TOOLCHAIN

- binutils-2.38
- gcc-11.4.0
- gettext-tiny-0.3.2

- glibc-2.36-118-g22955ad85186ee^{2,3,4,5,6}
- gmp-6.2.1

- isl-0.25
- linux-5.4.258
- mpc-1.2.1

- mpfr-4.1.1
- ncurses-6.4-20230429

7.2 BUILDROOT

- acl-2.3.1
- alsa-lib-1.2.8
- alsa-utils-1.2.8
- at-3.2.5
- attr-2.5.1
- aumix-2.9.1
- autoconf-2.71
- autoconf-archive-2022.09.03
- automake-1.16.5
- avahi-0.8
- bayer2rgb-neon-15feb1115b48284^{2,3,4,6}
- berkeleydb-5.3.28
- binutils-2.38
- bison-3.8.2
- bluez5_utils-5.65
- bluez5_utils-headers-5.65
- boost-1.80.0

- brotli-1.0.9
- bubblewrap-0.7.0
- busybox-1.36.1
- bzip2-1.0.8
- c-ares-1.19.1
- ca-certificates-20230311
- cairo-1.16.0
- can-utils-2021.08.0
- cifs-utils-6.15
- cmake-3.22.3
- cramfs-2.1
- crda-4.15
- cryptsetup-2.6.1
- cyrus-sasl-2.1.28
- dbus-1.12.28
- dbus-glib-0.112
- dbus-triggerd-ba3dbec805cb707c^{2,3,4,6}

- dejavu-2.37
- dhrystone-2
- dnsmasq-2.89
- dosfstools-4.2
- dtc-1.6.1
- e2fsprogs-1.46.5
- elfutils-0.186
- ethtool-6.1
- evemu-2.7.0
- evtest-1.35
- expat-2.5.0
- faad2-2.10.1
- fakeroot-1.30.1
- fbdump-0.4.2
- fbgrab-1.5
- fcgiwrap-99c942c90063c73734e56^{2,3,4,6}
- ffmpeg-4.4.4

- fftw-double-3.3.10
- firmware-imx-8.15⁶
- flac-1.4.2
- flatbuffers-2.0.0^{1,2,3,4,6}
- flex-2.6.4
- fontconfig-2.13.1
- freetype-2.12.1
- gawk-5.2.0
- gcc-final-11.4.0
- gcc-initial-11.4.0
- gcc-runtime-11.4.0
- gdb-10.2
- genext2fs-1.5.0
- gengetopt-2.23^{2,3,4,6}
- gettext-tiny-0.3.2
- glib-networking-2.70.1
- glibc-2.36-118-g22955ad85186ee^{1,2,3,4,6}

- glibmm-2.68.2
- glmark2-06e78b67702b5413335ecd³
- gmp-6.2.1
- gnupg2-2.4.2
- gnutils-3.7.8
- gperf-3.1
- gst1-libav-1.22.6
- gst1-plugins-bad-1.22.6
- gst1-plugins-base-1.22.6
- gst1-plugins-bayer2rgb-neon-b6^{2,3,4,6}
- gst1-plugins-good-1.22.6
- gst1-plugins-ugly-1.22.6
- gstreamer1-1.22.6
- gzip-1.12
- harfbuzz-5.3.1
- hostapd-2.10
- hotplugd-14993
- htop-3.2.1
- i2c-tools-4.3
- icu-70-1
- ifplugd-0.28
- imagemagick-7.1.0-51
- imx-gpu-viv-6.4.3.p2.4-aarch64⁶
- imx-mkimage-lf-5.10.72_2.2.0⁶
- inotify-tools-3.20.2.2
- input-event-daemon-0.1.3
- intltool-0.51.0
- iperf3-3.14
- iproute2-6.1.0
- iptables-1.8.9

- isl-0.25
- iw-5.19
- jasper-2.0.33
- jimtcl-0.81
- jitterentropy-library-3.4.1
- jpeg-turbo-2.1.4
- jq-a17dd3248a666d01be75f6b16be⁶
- json-c-0.16
- kbd-2.5.1
- kmod-30
- lame-3.100
- lapack-3.10.1^{1,2,3,4,6}
- latencytop-0.5
- ldd-crossroot-ng-1.24.0
- leveldb-1.23
- libaio-0.3.113
- libao-1.2.0
- libargon2-20190702
- libassuan-2.5.5
- libatomic_ops-7.6.14
- libbsd-0.11.3
- libcap-2.69
- libcurl-8.4.0
- libdaemon-0.14
- libdrm-2.4.115
- libepoxy-1.5.10
- liberation-2.1.5
- libestr-0.1.11
- libevdev-1.12.1
- libevent-2.1.12

- libfastjson-0.99.9.1
- libfcgi-2.4.2
- libffi-3.4.4
- libftdi-0.20
- libgcrypt-1.10.2
- libgecan-1529
- libglib2-2.72.3
- libglu-9.0.2³
- libgpg-error-1.47
- libgpiod-1.6.3
- libhid-0.2.16
- libhttplibparser-2.9.4
- libiberty-2.32
- libical-1.0.1
- libjpeg-9e^{3,4,6}
- libkrb5-1.20.1
- libksba-1.6.3
- liblog4c-locale-1.0
- liblogging-1.0.6
- libmd-1.0.4
- libmicrohttpd-0.9.76
- libmms-0.6.4
- libmnl-1.0.5
- libmodbus-3.1.8
- libmpeg2-0.5.1
- libnftnl-1.2.5
- libnl-3.7.0
- libnpth-1.6
- libnspr-4.35^{3,4,6}
- libnss-3.88.1^{3,4,6}
- libogg-1.3.5

- libopenh264-2.3.1
- libopenssl-1.1.1v
- libpcap-1.10.3
- libpng-1.6.39
- libpsl-0.21.2
- libpthread-stubs-0.4
- libqrencode-4.1.1
- libseccomp-2.5.4
- libsigc-3.4.0
- libsndfile-1.2.0
- libsocketcan-0.0.12
- libsoup-2.74.2
- libssh2-1.10.0
- libsysfs-2.1.1
- libtasn1-4.19.0
- libtheora-1.1.1
- libtirpc-1.3.3
- libtool-2.4.6
- libuboot-env-15951
- libunistring-1.1
- liburcu-0.13.2
- liburiparser-0.9.7
- libusb-1.0.26
- libusb-compat-0.1.7
- libuv-1.44.2
- libv4l-1.22.1
- libvncserver-0.9.14
- libvorbis-1.3.7
- libvpx-1.13.0
- libwebsockets-4.3.2
- libwpe-1.14.0

- libxcb-1.15
- libxkbcommon-1.4.0
- libxml-parser-perl-2.46
- libxml2-2.10.4
- libxslt-1.1.38
- libzip-1.9.2
- libzlib-1.2.13
- linrpcl2-16699
- linux-headers-5.10.198⁶
- linux-headers-5.4.258^{1,2,3,4,5}
- linux-zigbee-0.3.1
- linuxconsoletools-1.8.1
- live555-2021.05.03
- log4cplus-2.1.0
- logrotate-3.20.1
- lrksz-0.12.20
- ltrace-82c66409c7a93ca6ad2e456^{1,2,3,4,5}
- lting-libust-2.12.0
- lvm2-2.03.14
- lz4-1.9.4
- lzip-1.23
- lzo-2.10
- lzip-1.03
- m4-1.4.19
- mariadb-10.3.36
- matchbox-1.2
- matchbox-common-0.9.1
- matchbox-desktop-0.9.1
- matchbox-fakekey-0.3
- matchbox-keyboard-0.1.1

- matchbox-lib-1.12
- matchbox-panel-0.9.3
- mdadm-4.2
- memstat-1.0
- memtester-4.5.1
- mesa3d-22.3.4^{1,2,3,4,5}
- meson-1.0.0
- mmc-utils-dfc3b6ecda84d21418fb^{1,2,3,4,5}
- mosquitto-2.0.18
- mpc-1.2.1
- mpfr-4.1.1
- mpg123-1.25.15
- mtd-2.1.5
- mtdev-1.1.6
- mxt-app-15949
- nano-7.2
- nasm-2.16.01⁵
- ncurses-6.4-20230429
- ne10-1.2.1^{2,3,4}
- neard-0.18
- netcatopenbsd-1.218
- netsnmp-5.9.4
- nettle-3.8.1
- nfs-utils-2.6.2
- nftables-1.0.7^{1,2,3,4,6}
- nghttp2-1.41.0^{2,3,4,6}
- nginx-1.22.1
- ninja-1.11.1.g95dee.kitware.jo^{1,2,3,4,6}
- nodejs-16.20.0^{2,3,4,6}

- ntp-4.2.8p15
- numactl-2.0.16^{5,6}
- oniguruma-6.9.8
- openblas-0.3.21^{1,2,3,4,6}
- opencv3-3.4.19
- openjpeg-2.5.0
- openldap-2.6.6
- openobex-1.7.2
- openssh-9.3p2
- openvpn-2.5.7
- oprofile-1.4.0
- opus-1.3.1^{3,4,6}
- p11-kit-0.24.1
- patchelf-0.13
- pcre-8.45
- pcre2-10.42
- perl-5.36.0
- php-8.2.11
- pixman-0.42.2
- pkgconf-1.6.3
- popt-1.19
- pppd-2.4.9
- pptp-linux-1.10.0
- protobuf-21.12
- pwgen-2.08
- python-attrs-22.2.0^{1,2,3,4,6}
- python-beniget-0.4.1^{1,2,3,4,6}
- python-cython-0.29.33^{1,2,3,4,6}
- python-dateutil-2.8.2^{1,2,3,4,6}
- python-editable-0.3^{1,2,3,4,6}
- python-flit-core-3.8.0^{1,2,3,4,6}

- python-gast-0.5.3^{1,2,3,4,6}
- python-hatch-vcs-0.3.0^{1,2,3,4,6}
- python-hatchling-1.12.2^{1,2,3,4,6}
- python-iniconfig-2.0.0^{1,2,3,4,6}
- python-installer-0.6.0^{1,2,3,4,6}
- python-mako-1.2.4^{1,2,3,4,5}
- python-markupsafe-2.1.1^{1,2,3,4,5}
- python-numpy-1.23.5^{1,2,3,4,6}
- python-packaging-22.0^{1,2,3,4,6}
- python-pandas-v1.5.3^{1,2,3,4,6}
- python-pathspec-0.10.3^{1,2,3,4,6}
- python-pep517-0.13.0^{1,2,3,4,6}
- python-pillow-9.4.0^{1,2,3,4,6}
- python-pip-22.3.1^{1,2,3,4,6}
- python-pluggy-1.0.0^{1,2,3,4,6}
- python-ply-3.11^{1,2,3,4,6}
- python-py-1.11.0^{1,2,3,4,6}
- python-pybind-2.10.3^{1,2,3,4,6}
- python-pycryptodomex-3.16.0
- python-pypa-build-0.9.0^{1,2,3,4,6}
- python-pyparsing-3.0.9^{1,2,3,4,6}
- python-pytest-7.2.0^{1,2,3,4,6}
- python-pythran-0.12.0^{1,2,3,4,6}
- python-pytz-2022.7^{1,2,3,4,6}
- python-scipy-1.8.1^{1,2,3,4,6}
- python-setuptools-65.6.3
- python-setuptools-scm-7.1.0^{1,2,3,4,6}
- python-six-1.16.0^{1,2,3,4,6}
- python-toml-0.10.2^{1,2,3,4,6}
- python-typing-extensions-4.4.0^{1,2,3,4,6}
- python-wheel-0.40.0^{1,2,3,4,6}

- python3-3.11.6
- qemu-7.2.1 ^{2,3,4,6}
- cJSON-0.9.0
- qt53d-5fd3906445ac95bf1cca6e7a ^{3,6}
- qt5base-2ffb7ad8a1079a0444b9c7 ^{3,6}
- qt5charts-16c2a8821135bf89369c ^{3,6}
- qt5connectivity-c5f35f89e975c2 ^{3,6}
- qt5declarative-51efb2ed2f071be ^{3,6}
- qt5graphicaleffects-4c6ec38635 ^{3,6}
- qt5imageformats-b43e31b9f31ec4 ^{3,6}
- qt5location-db3b6bc6afed6477e6 ^{3,6}
- qt5multimedia-dc0ee181d4c56ff6 ^{3,6}
- qt5quickcontrols-d405bf6a29bc9 ^{3,4,6}
- qt5quickcontrols2-0d3d39e821ea ^{3,4,6}
- qt5script-5cec94b2c1503f106f4e ^{3,4,6}
- qt5sensors-1ab8d6c7257f9ec0607 ^{3,4,6}
- qt5serialbus-e34053fbda8d687e3 ^{3,4,6}
- qt5serialport-191e67e428522a0e ^{3,4,6}
- qt5svg-23b8cf7d833c335d7735855 ^{3,4,6}
- qt5tools-53ee43a51b5a3de2877da ^{3,6}
- qt5webchannel-8c842152da613f94 ^{3,6}
- qt5webengine-5.15.2 ^{3,4,6}
- qt5webkit-5.212.0-alpha4
- qt5websocket-6a4991250793cd38 ^{3,6}
- qt5webview-826d2a33929c6980791 ^{3,4,6}

- qt5xmlpatterns-dfcae10dec8c1c2 ^{3,4,6}
- quazip-1.3
- qwt-6.1.6
- readline-8.2
- rng-tools-6.16
- rp-pppoe-3.15
- rpcbind-1.2.6
- rsync-3.2.7
- rsyslog-8.2204.1
- rt-tests-2.4 ^{5,6}
- ruby-3.1.3
- sdl-1.2.15
- sdl2-2.26.5
- sdl_mixer-d1725fcbb7c4e987aeb7 ^{3,4,6}
- sdl_net-620b0ba7dd84a0fdbd4cc ^{3,4,6}
- slirp-4.7.0 ^{2,3,4,6}
- snappy-1.1.9
- socat-1.7.4.4
- softether-4.30-9700-beta
- sox-7524160b29a476f7e87bc14fdd ^{3,4,6}
- spawn-fcgi-1.6.4
- spidev_test-4.10 ^{1,2,3,4,5}
- spidev_test-5.8 ⁶
- splashscreen-splashscreen_V2. ^{1,2,3,4,5}
- sqlite-3.40.1
- squashfs-4.5.1
- sshpass-1.09
- strace-6.1
- sudo-1.9.13p3
- swig-4.1.1 ^{1,2,3,4,6}

- sysstat-12.6.1
- tar-1.35
- tcpdump-4.99.4
- tensorflow-lite-v2.8.0 ^{2,3,4,6}
- tflite-abseil-cpp-997aaf3a2830 ^{1,2,3,4,6}
- tflite-clog-d5e37adf1406 ^{1,2,3,4,6}
- tflite-cpuinfo-5916273f79a2 ^{1,2,3,4,6}
- tflite-eigen-085c2fc5d53f ^{1,2,3,4,6}
- tflite-farmhash-0d859a811870 ^{1,2,3,4,6}
- tflite-fft2d-1.0 ^{1,2,3,4,6}
- tflite-flatbuffers-v1.12.0 ^{1,2,3,4,6}
- tflite-gemmlowp-fda83bdc38b1 ^{1,2,3,4,6}
- tflite-ruy-e6c1b8dc8a8b ^{1,2,3,4,6}
- tiff-4.5.1
- tim-vx-19e4e86651109966d519187 ⁶
- tmux-3.3a
- tpm2-tools-5.2
- tpm2-tss-3.2.2
- tpm2-tss-engine-1.1.0
- trace-cmd-2.9.7
- tremor-7c30a66346199f3f09017a0 ⁶
- tslib-1.22
- tzdata-2023c
- ubiecdump-13895
- u-boot-tools-2021.07
- unifdef-2.12
- unzip-6.0
- usb_modeswitch-2.6.1
- util-linux-2.38
- valgrind-3.19.0 ^{2,3,4,5,6}

- vorbis-tools-1.4.2
- vx-delegate-07bb4353ba6b0275c5 ⁶
- waf-2.0.24 ³
- wavpack-5.5.0
- wayland-1.21.0
- wayland-protocols-1.31
- webp-1.3.2
- wget-1.21.3
- whetstone-1.2
- wireless-regdb-2023.09.01
- wireless_tools-30.pre9
- wlansimplescan-r274
- woff2-1.0.2
- wpa_supplicant-2.10
- wpemodebackend-fdo-1.14.2
- wpewebkit-2.40.3
- x11vnc-0.9.16
- xapp_bdfopcf-1.1.1
- xapp_mkfontscale-1.2.2
- xapp_xauth-1.1.2
- xapp_xbacklight-1.2.3
- xapp_xev-1.2.5
- xapp_xeyes-1.2.0
- xapp_xhost-1.0.9
- xapp_xinput-1.6.4
- xapp_xkbcomp-1.4.6
- xapp_xkbevd-1.1.5
- xapp_xkbprint-1.0.6
- xapp_xlogo-1.0.6
- xapp_xmessage-1.0.6
- xapp_xmodmap-1.0.11

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| • xapp_xset-1.2.5 | • xfont_font-util-1.3.3 | • xlib_libXfont-1.5.4 | • xlib_libfontenc-1.1.7 |
| • xapp_xsetmode-1.0.0 | • xkeyboard-config-2.37 | • xlib_libXfont2-2.0.6 | • xlib_libxcvt-0.1.2 ⁴ |
| • xapp_xsetpointer-1.0.1 | • xlib_libICE-1.1.1 | • xlib_libXft-2.3.8 | • xlib_libxkbfile-1.1.2 |
| • xapp_xsetroot-1.1.3 | • xlib_libSM-1.2.4 | • xlib_libXi-1.8.1 | • xlib_libxshmfence-1.3.2 ^{3,6} |
| • xcb-proto-1.15.2 | • xlib_libX11-1.8.6 | • xlib_libXinerama-1.1.5 | • xlib_xtrans-1.4.0 |
| • xcb-util-0.4.1 | • xlib_libXScrnSaver-1.2.4 | • xlib_libXmu-1.1.4 | • xmlstarlet-1.6.1 |
| • xcb-util-image-0.4.1 | • xlib_libXau-1.0.11 | • xlib_libXpm-3.5.16 | • xorgproto-2022.2 |
| • xcb-util-wm-0.4.2 | • xlib_libXaw-1.0.15 | • xlib_libXrandr-1.5.3 | • xterm-384 |
| • xdata_xbitmaps-1.1.3 | • xlib_libXcomposite-0.4.6 | • xlib_libXrender-0.9.11 | • xutil_util-macros-1.20.0 |
| • xdg-dbus-proxy-0.1.4 | • xlib_libXcursor-1.2.1 | • xlib_libXres-1.2.2 | • xvkbd-4.1 |
| • xfont_encodings-1.0.7 | • xlib_libXdamage-1.1.6 | • xlib_libXt-1.2.1 | • xz-5.2.10 |
| • xfont_fontalias-1.0.4 | • xlib_libXdmcp-1.1.4 | • xlib_libXtst-1.2.4 | • zic-2023c |
| • xfont_fontcursor-misc-1.0.3 | • xlib_libXext-1.3.5 | • xlib_libXv-1.0.12 | • zip-3.0 |
| • xfont_font-misc-misc-1.1.2 | • xlib_libXfixes-6.0.1 | • xlib_libXxf86vm-1.1.5 | • zstd-1.5.2 |