

TCE Tinycore Linux Project englisch

[Versionsgeschichte interaktiv durchsuchen](#)

[Visuell Wikitext](#)

Version vom 26. Juni 2012, 10:31 Uhr (Quelltext anzeigen)

[OE2WAO](#) ([Diskussion](#) | [Beiträge](#))

(Die Seite wurde neu angelegt: „More information on the hamradio TCE - tinycore linux project coming here soon“)

Version vom 19. August 2021, 09:45 Uhr (Quelltext anzeigen)

[OE2WAO](#) ([Diskussion](#) | [Beiträge](#))

[K](#) ([→Intro](#))

Markierung: [Visuelle Bearbeitung](#)

[Zum nächsten Versionsunterschied →](#)

(16 dazwischenliegende Versionen desselben Benutzers werden nicht angezeigt)

Zeile 1:

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- + **[[Datei:Deutschland-flagge.gif]] Für die deutsche Version dieses Projekts [[TCE Tinycore_Linux_Projekt | >>hier klicken<<]]**
- + **==Intro==**
- + **[[Bild:PPC.jpg|thumb|500MHz LowPower industrial PC]]**
- + **This hamradio software project is based on [http://www.tinycorelinux.com TCE - Tinycore Linux], an embedded software system used on plattformen like industrial pc, ALIX and others, and offers**
- +
- + *** multimode**
- + *** multibaud**
- + *** multichannel**
- +
- + **services and possibilities like**
- +
- + ***Packet Radio,**
- + ***BBS,**
- + ***APRS,**
- + ***Radiosonde tracker,**

More information on the hamradio TCE -
tinycore linux project coming here soon

- + ***lightning log,**
- + ***small webserver,**
- + ***SVX-Link (Echolink)**
- +
- + **especialy in networks like HAMNET
and similar.
**
- + **One goal is a minimum on material
expenditure and also a minimal
current consumption, followed by a
maximum of features**
- +
- + **More information on the hamradio TCE -
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- +
- + **==Hardware==**
- + **[[Bild:12v-anschluss.
jpg|thumb|polarity industrial PC]]**
- + **DH2IW Wolfgang, OE2WAO Mike and
OE5DXL Chris are doing first
experiments with discarded industrial
pc hardware, a 500MHz AMD Geode
CPU with up to 256MB of RAM, and a
minimal power input of <5Watt (for
remaining stock ask [[http://www.
oe2wao.info](http://www.oe2wao.info) OE2WAO])).
**
- +
- + **But every other hardware plattform
like ALIX, Raspberry Pi or similar will
do.
**
- + **The operating system is placed on a
CF memory card (>32MB).
**
- +

+ **A USB soundcard is used for operating AFSK/FSK modulation. One special character of working devices is a 3rd connector beside microphone and line out, the line in. Because these device are real stereo and make it possible to operate two separate channels on one sound card.**

+

+ **===Connections and conversion of the used industrial pc===**

+ **[[Bild:12v-umbau.jpg|thumb|power supply conversion 12V]]**

+ **There are several connectors (COM, USB, network) on the frontside of our panels, as you can see. For correct polarity it is important to connent the + pole to the right pin of the 3pol power supply connector, the pin which is closer to the USB ports. The negative pole is the left pin.
**

+

+ **The normal board supply is 24V.
**

+ **That we can use it with our 12V power supply, we have to do a little modification. Just add a 270k Ohm resistor on the bottom side of the power supply as shown in the picture.**

+

+ **===Soundcard===**

+ **If there is no onboard sound available, you can use a USB soundcard instead. Suggested types you can find [[Geeignete Soundkarten|here]].**

+

+ **==Software==**

- + A ready-to-use software image is located on the [http://www.oe2wao.info/tce OE2WAO Server] (e.g. tc455x-128.zip means version 4.55 with GUI on 128MB data drive)

- + There is also a version for raspberry pi hardware in test, and available soon.
- +
- + ===Software schematic===
- + [[Datei:Udpboxs.jpg]]
- +
- + ==Help==
- +
- + If you need help on configuring the software packages you can contact OE5DXL on packet radio convers channel 501.

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Für die deutsche Version dieses Projekts >>[hier klicken](#)<<

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Intro

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- multimode
- multibaud
- multichannel

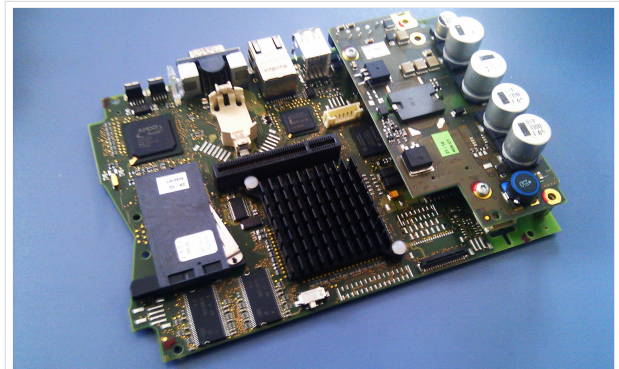
services and possibilities like

- Packet Radio,
- BBS,
- APRS,
- Radiosonde tracker,
- lightning log,
- small webserver,
- SVX-Link (Echolink)

especially in networks like HAMNET and similar.

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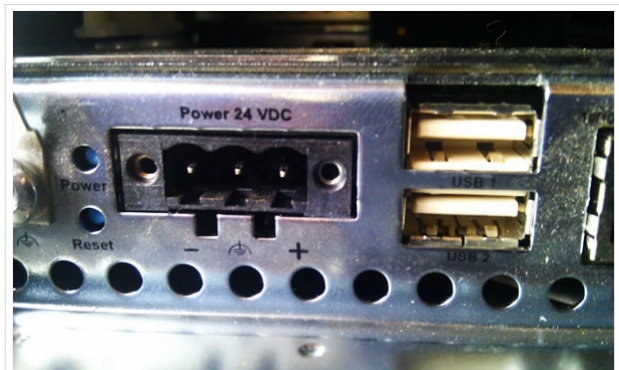
500MHz LowPower industrial PC

Hardware

DH2IW Wolfgang, OE2WAO Mike and OE5DXL Chris are doing first experiments with discarded industrial pc hardware, a 500MHz AMD Geode CPU with up to 256MB of RAM, and a minimal power input of <5Watt (for remaining stock ask [OE2WAO](#)).

But every other hardware platform like ALIX, Raspberry Pi or similar will do.

The operating system is placed on a CF memory card (>32MB).



polarity industrial PC

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Connections and conversion of the used industrial pc

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Soundcard

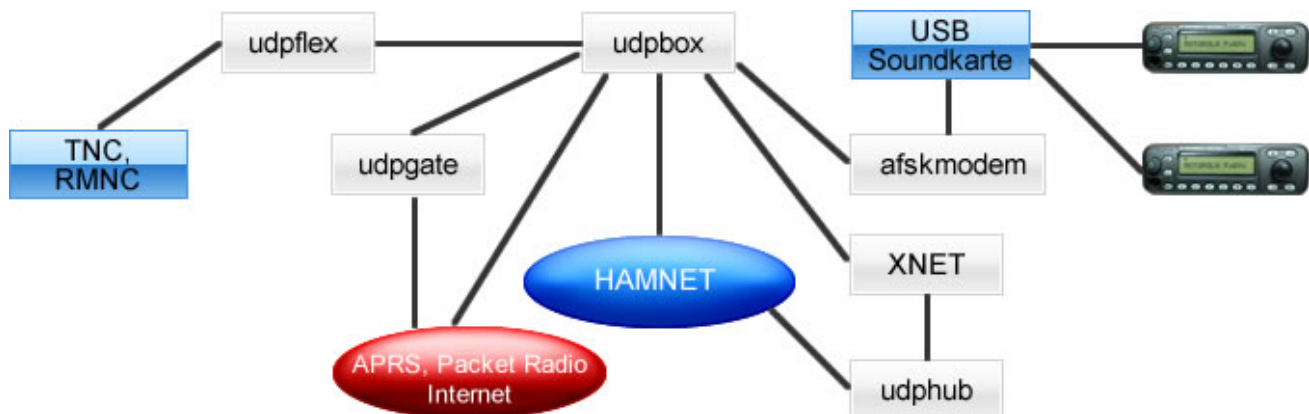
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Software schematic



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