
Inhaltsverzeichnis

TCE Tinycore Linux Project englisch

[Versionsgeschichte interaktiv durchsuchen](#)

[Visuell Wikitext](#)

Version vom 11. Juli 2012, 11:11 Uhr (Quelltext anzeigen)

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

[← Zum vorherigen Versionsunterschied](#)

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

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

[K](#) ([→Intro](#))

Markierung: [Visuelle Bearbeitung](#)

[Zum nächsten Versionsunterschied →](#)

(15 dazwischenliegende Versionen desselben Benutzers werden nicht angezeigt)

Zeile 1:	Zeile 1:
==Einleitung==	[[Datei:Deutschland-flagge.gif]] Für die deutsche Version dieses Projekts [[TCE Tinycore Linux Projekt >>hier klicken<<]]
[[Bild:PPC.jpg thumb 500MHz LowPower Industrie PC]]	==Intro==
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 services and possibilities like	[[Bild:PPC.jpg thumb 500MHz LowPower industrial PC]]
*Packet Radio,	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
*APRS,	
	* multimode
	* multibaud
	* multichannel
	services and possibilities like
	*Packet Radio,
	*BBS,

*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

Zeile 12:

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

+ *APRS,

+ ***Radiosonde tracker**,

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Zeile 23:

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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 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).
**

+

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)

==Help==

If you need help on configuring the software packages you can contact **us** on packet radio convers channel **44**.

+ 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 **OE5DX L** on packet radio convers channel **501**.

Version vom 19. August 2021, 09:45 Uhr



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

Inhaltsverzeichnis

1	Intro	6
2	Hardware	6
2.1	Connections and conversion of the used industrial pc	6
2.2	Soundcard	7
3	Software	7
3.1	Software schematic	7
4	Help	7

Intro

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- multimode
- multibaud
- multichannel

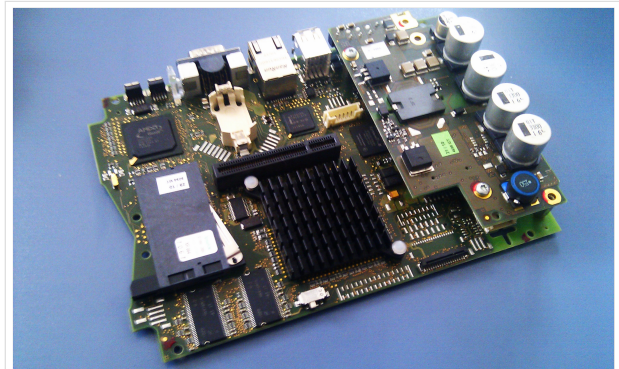
services and possibilities like

- Packet Radio,
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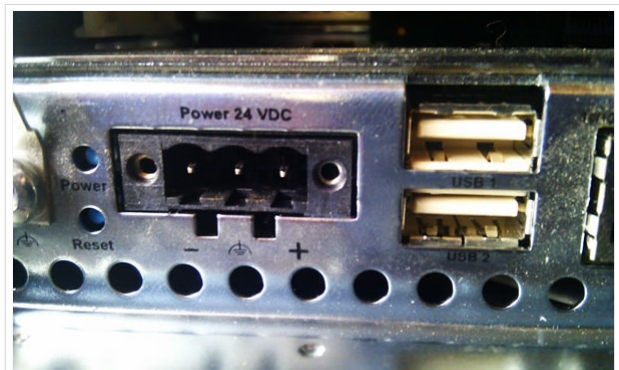
500MHz LowPower industrial PC

Hardware

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Soundcard

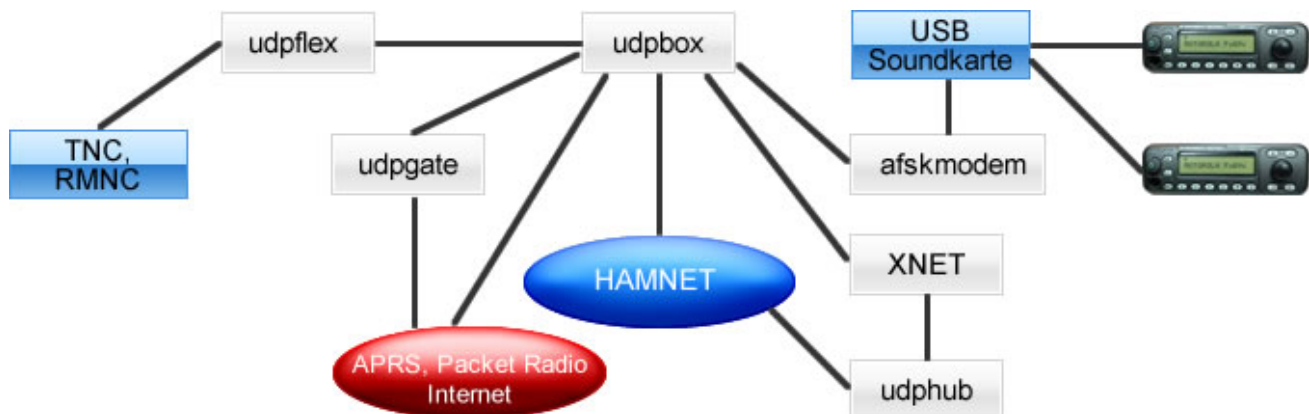
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