
Inhaltsverzeichnis

TCE Tinycore Linux Project englisch

[Versionsgeschichte interaktiv durchsuchen](#)

[Visuell Wikitext](#)

Version vom 11. Juli 2012, 11:12 Uhr (Quelle anzeigen)

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

[← Zum vorherigen Versionsunterschied](#)

Version vom 11. Juli 2012, 11:38 Uhr (Quelle anzeigen)

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

[Zum nächsten Versionsunterschied →](#)

Zeile 1:

– **==Einleitung==**

[[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 platforms like industrial pc, ALIX and others, and offers services and possibilities like

Zeile 11:

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

Zeile 1:

+ **==Intro==**

[[Bild:PPC.jpg|thumb|500MHz LowPower industrial PC]]

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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]).
**

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

+

- + A USB soundcard is used for AFSK mods. 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.

Version vom 11. Juli 2012, 11:38 Uhr

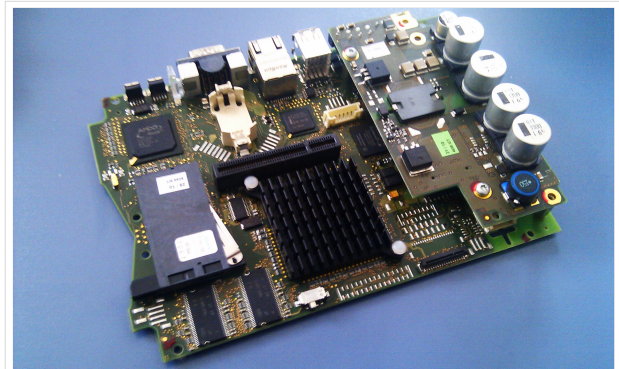
Inhaltsverzeichnis

1 Intro	4
2 Hardware	4
2.1 Connections and conversion of the used industrial pc	4
3 Help	5

Intro

This hamradio software project is based on [TCE - Tinycore Linux](#), an embedded software system used on platforms like industrial pc, ALIX and others, and offers services and possibilities like

- packet radio,
- APRS,
- lightning log,
- small webserver,
- SVX-Link (Echolink)



500MHz LowPower industrial PC

especially 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

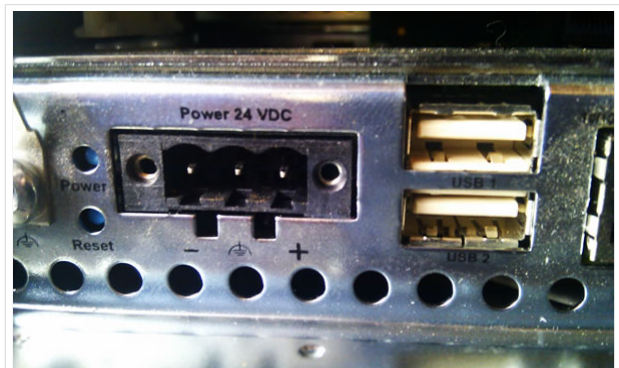
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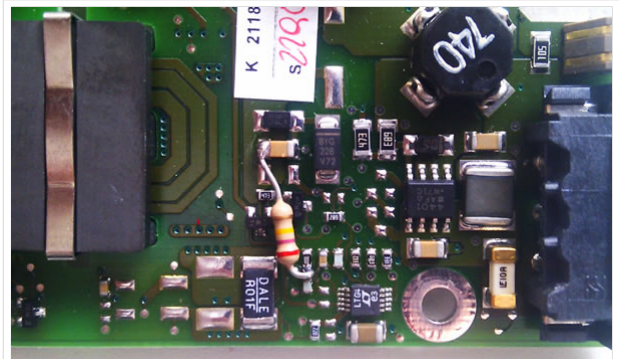
polarity industrial PC

Connections and conversion of the used industrial pc

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power supply conversion 12V

Help

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