

TCE Tinycore Linux Project englisch

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

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

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

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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

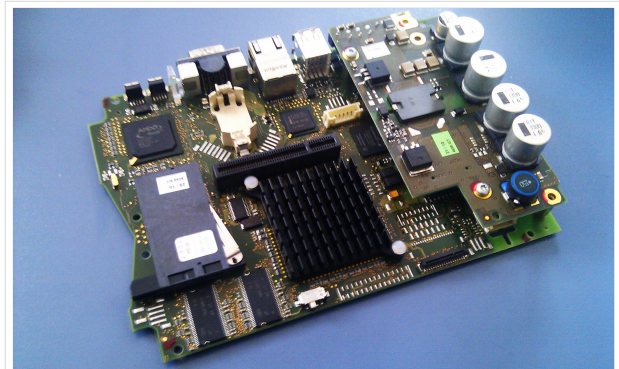
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Intro

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

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

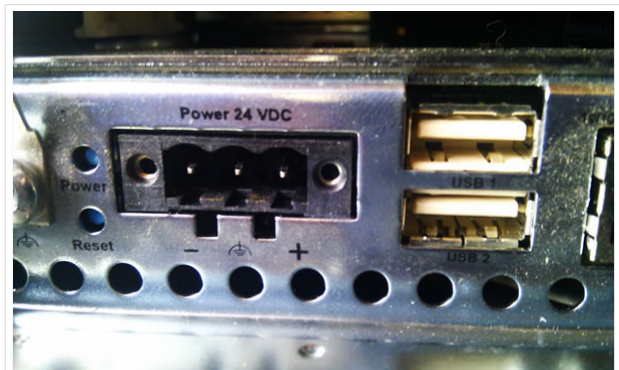
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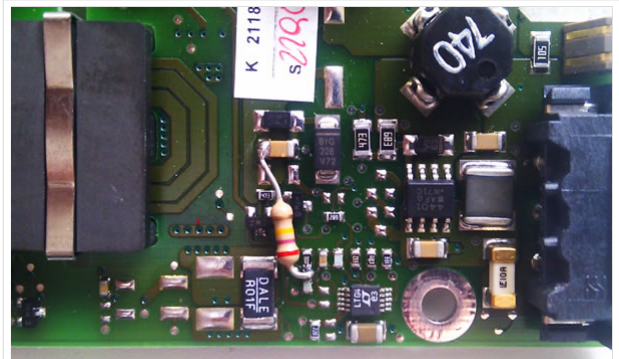
polarity industrial PC

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.