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TCE Tinycore Linux Project englisch

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[VisuellWikitext](#)

Version vom 12. September 2013, 21:54

[Uhr \(Quelltext anzeigen\)](#)

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

[← Zum vorherigen Versionsunterschied](#)

Version vom 13. Januar 2014, 22:29 Uhr (

[Quelltext anzeigen](#))

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[Zum nächsten Versionsunterschied →](#)

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+ **====Software schematic=====**

+ **[[Datei:Udpboxs.jpg]]**

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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

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

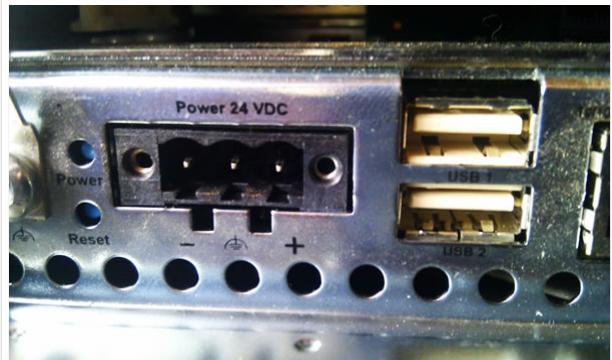
More information on the hamradio TCE - tinycore linux project coming here soon

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 or similar will do.

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



polarity industrial PC

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.

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There are several connectors (COM, USB, network) on the frontside of our panels, as you can see. For correct polarity it is important to connect 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.

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Soundcard

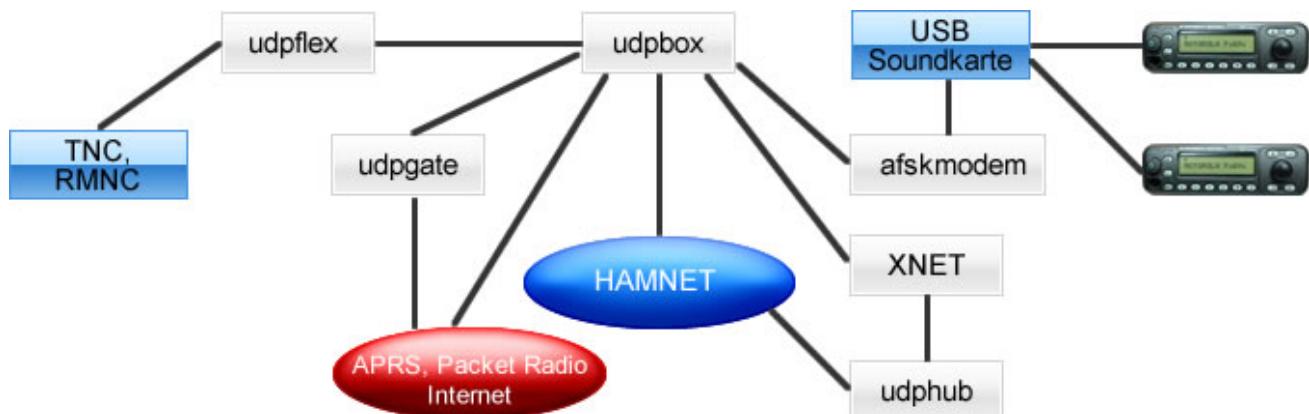
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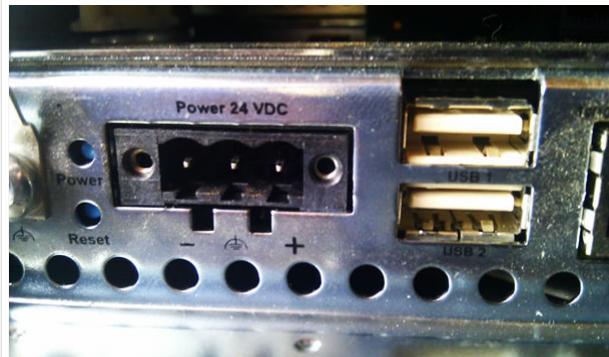
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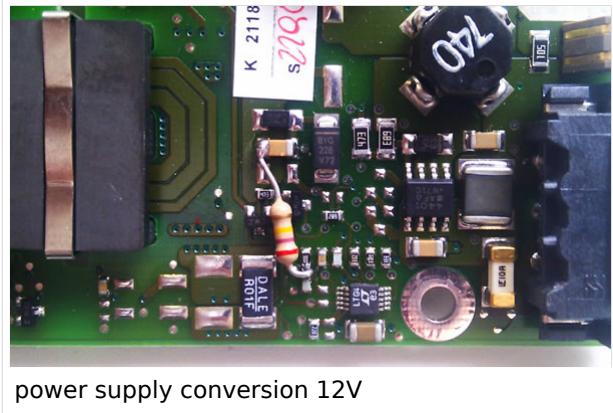
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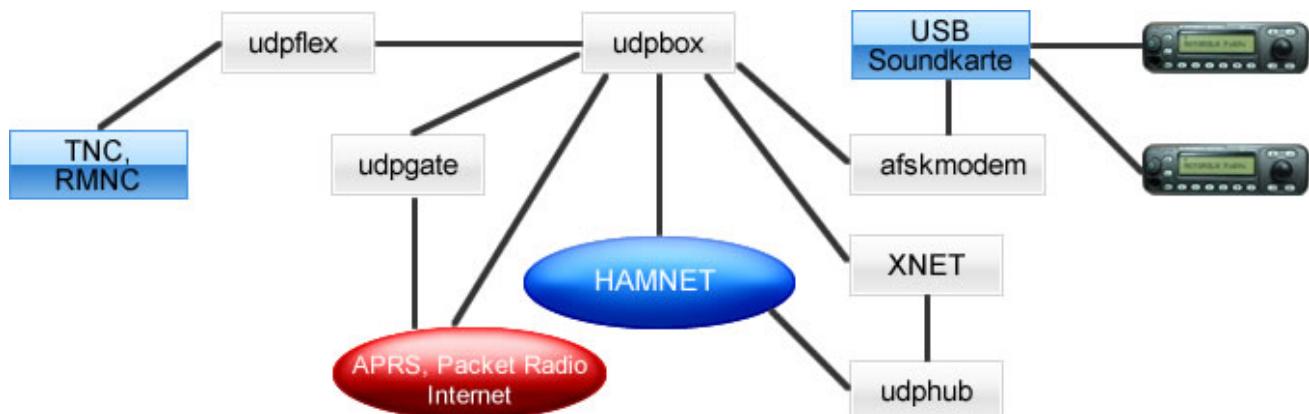
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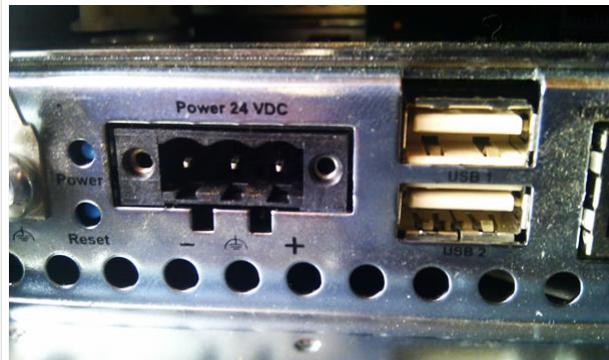
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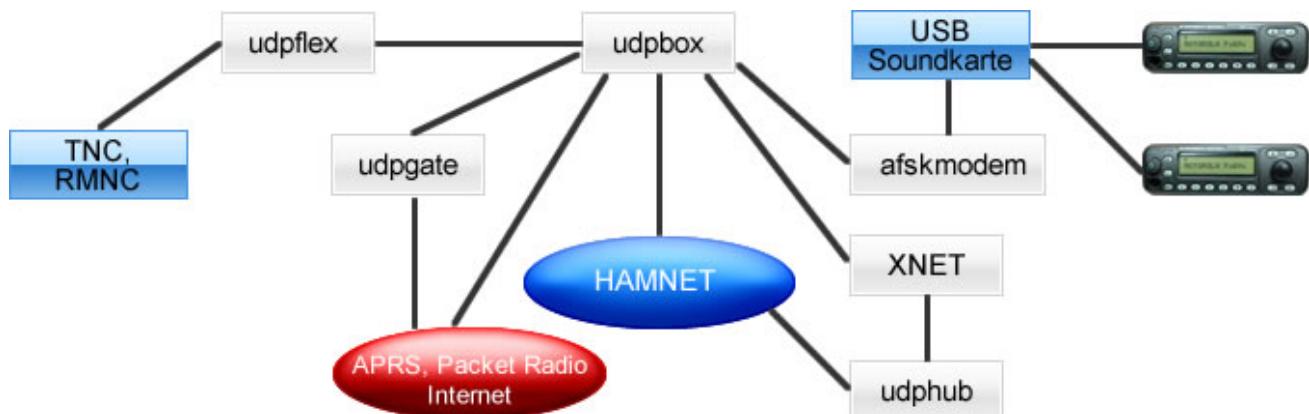
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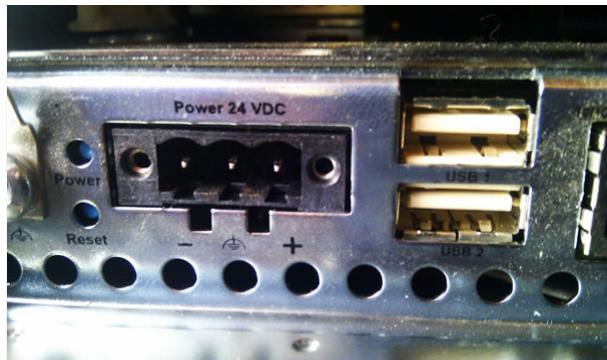
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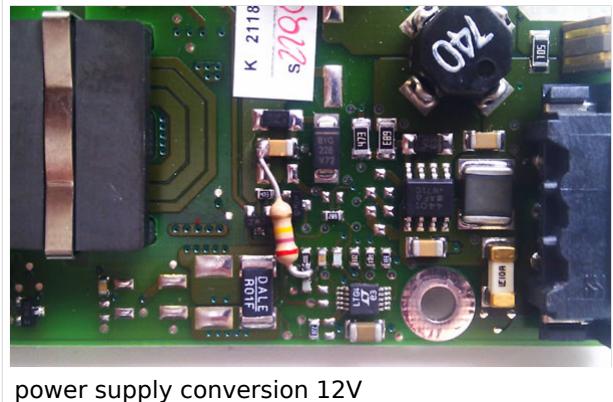
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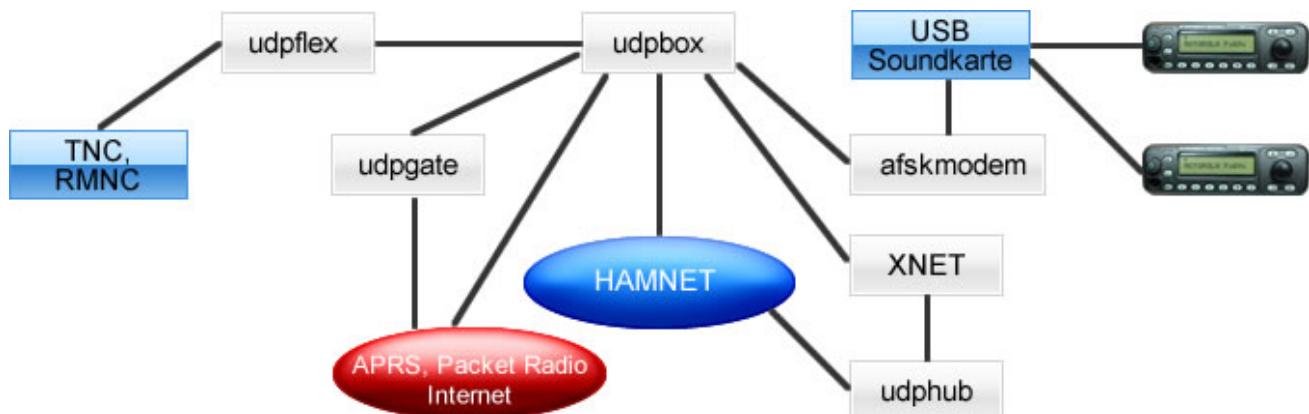
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