

Inhaltsverzeichnis

1. TCE Tinycore Linux Project englisch	11
2. Benutzer:OE2WAO	5
3. Geeignete Soundkarten	8

TCE Tinycore Linux Project englisch

Versionsgeschichte interaktiv durchsuchen
VisuellWikitext

Version vom 30. April 2013, 10:28 Uhr (Quelltext anzeigen)

OE2WAO (Diskussion | Beiträge)

(→Hardware)

← Zum vorherigen Versionsunterschied

Version vom 30. April 2013, 10:28 Uhr (Quelltext anzeigen)

OE2WAO (Diskussion | Beiträge)

(→soundcard)

Zum nächsten Versionsunterschied →

Zeile 27: 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.	Zeile 27: 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]].	+ ====Soundcard===== If there is no onboard sound available, you can use a USB soundcard instead. Suggested types you can find [[Geeignete Soundkarten here]].

Version vom 30. April 2013, 10:28 Uhr

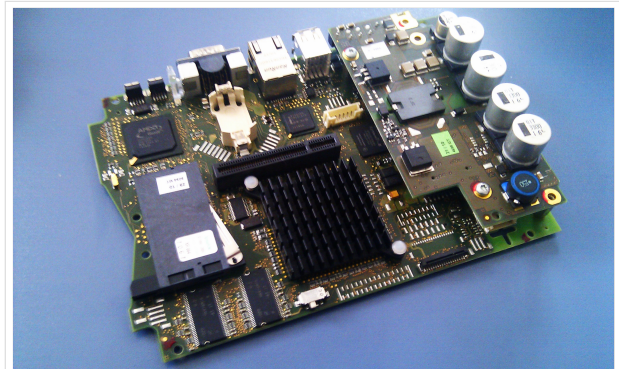
Inhaltsverzeichnis

1	Intro	12
2	Hardware	12
2.1	Connections and conversion of the used industrial pc	12
2.2	Soundcard	13
3	Software	13
4	Help	13

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

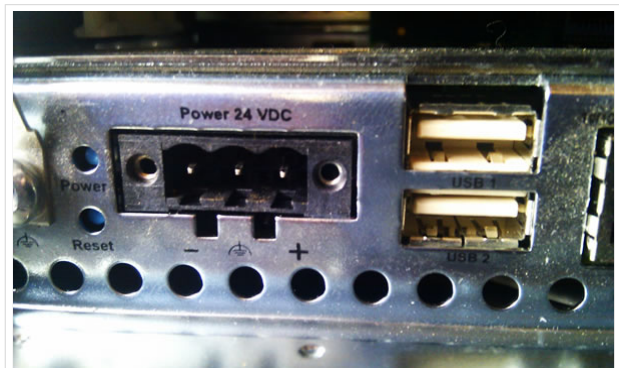
More information on the hamradio TCE - tinycore linux project coming here soon

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](#)).

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.



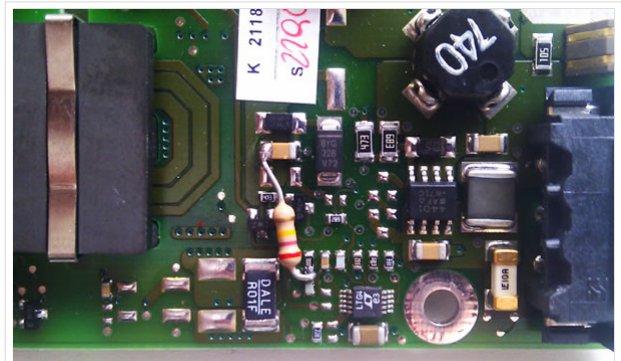
polarity industrial PC

Connections and conversion of the used industrial pc

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.

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.



power supply conversion 12V

Soundcard

If there is no onboard sound available, you can use a USB soundcard instead. Suggested types you can find [here](#).

Software

A ready-to-use software image is located on the [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 OE5DXL on packet radio convers channel 44 or 4711.

TCE Tinycore Linux Project englisch: Unterschied zwischen den Versionen

Versionsgeschichte interaktiv durchsuchen
VisuellWikitext

Version vom 30. April 2013, 10:28 Uhr (Quelltext anzeigen)	Version vom 30. April 2013, 10:28 Uhr (Quelltext anzeigen)
OE2WAO (Diskussion Beiträge) (→Hardware)	OE2WAO (Diskussion Beiträge) (→soundcard)
← Zum vorherigen Versionsunterschied	Zum nächsten Versionsunterschied →
Zeile 27:	Zeile 27:
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.	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===	+ ===Soundcard===
If there is no onboard sound available, you can use a USB soundcard instead. Suggested types you can find [[Geeignete Soundkarten here]].	If there is no onboard sound available, you can use a USB soundcard instead. Suggested types you can find [[Geeignete Soundkarten here]].

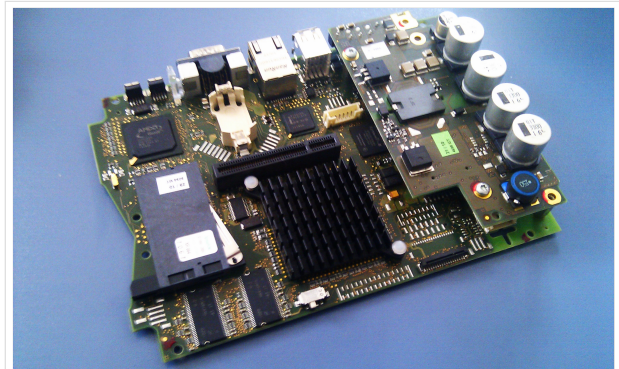
Version vom 30. April 2013, 10:28 Uhr

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
4	Help 7

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

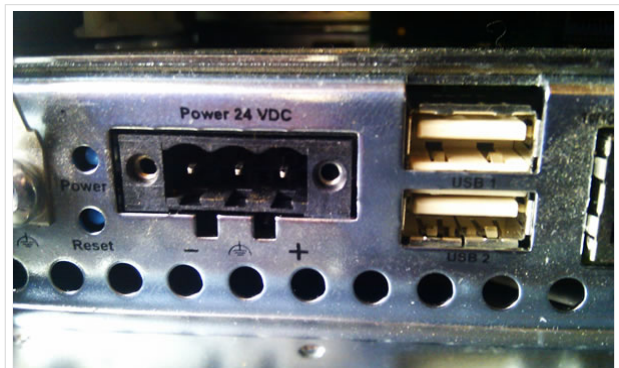
More information on the hamradio TCE - tinycore linux project coming here soon

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](#)).

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.



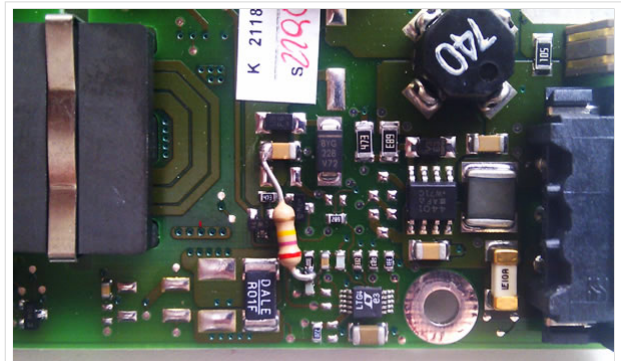
polarity industrial PC

Connections and conversion of the used industrial pc

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.

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.



power supply conversion 12V

Soundcard

If there is no onboard sound available, you can use a USB soundcard instead. Suggested types you can find [here](#).

Software

A ready-to-use software image is located on the [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 OE5DXL on packet radio convers channel 44 or 4711.

TCE Tinycore Linux Project englisch: Unterschied zwischen den Versionen

Versionsgeschichte interaktiv durchsuchen
VisuellWikitext

Version vom 30. April 2013, 10:28 Uhr (Quelltext anzeigen)	Version vom 30. April 2013, 10:28 Uhr (Quelltext anzeigen)
OE2WAO (Diskussion Beiträge) (→Hardware)	OE2WAO (Diskussion Beiträge) (→soundcard)
← Zum vorherigen Versionsunterschied	Zum nächsten Versionsunterschied →
Zeile 27:	Zeile 27:
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.	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===	+ ===Soundcard===
If there is no onboard sound available, you can use a USB soundcard instead. Suggested types you can find [[Geeignete Soundkarten here]].	If there is no onboard sound available, you can use a USB soundcard instead. Suggested types you can find [[Geeignete Soundkarten here]].

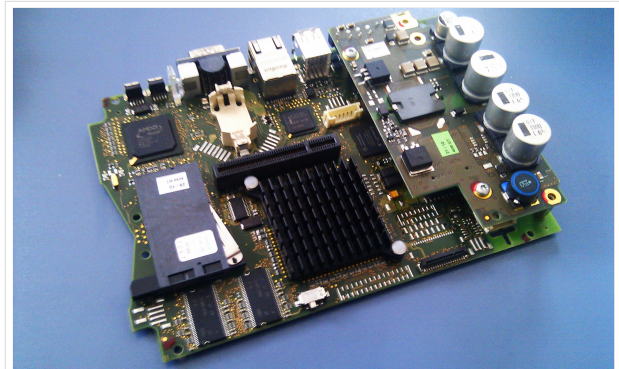
Version vom 30. April 2013, 10:28 Uhr

Inhaltsverzeichnis	
1	Intro 9
2	Hardware 9
2.1	Connections and conversion of the used industrial pc 9
2.2	Soundcard 10
3	Software 10
4	Help 10

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

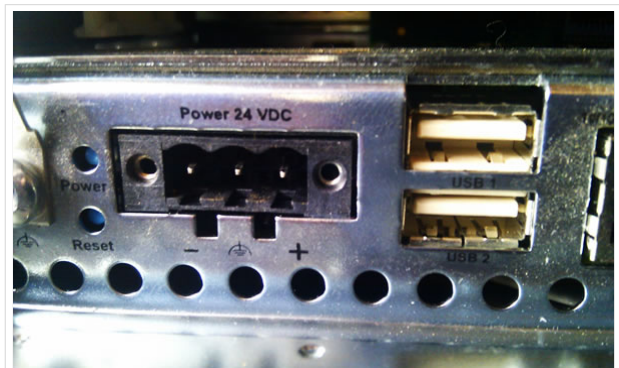
More information on the hamradio TCE - tinycore linux project coming here soon

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](#)).

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.



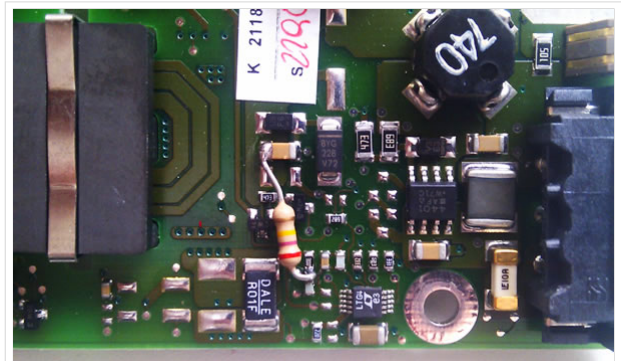
polarity industrial PC

Connections and conversion of the used industrial pc

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.

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.



power supply conversion 12V

Soundcard

If there is no onboard sound available, you can use a USB soundcard instead. Suggested types you can find [here](#).

Software

A ready-to-use software image is located on the [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 OE5DXL on packet radio convers channel 44 or 4711.

TCE Tinycore Linux Project englisch: Unterschied zwischen den Versionen

[Versionsgeschichte interaktiv durchsuchen](#)
[VisuellWikitext](#)

Version vom 30. April 2013, 10:28 Uhr (Quelltext anzeigen)	Version vom 30. April 2013, 10:28 Uhr (Quelltext anzeigen)
OE2WAO (Diskussion Beiträge) (→Hardware)	OE2WAO (Diskussion Beiträge) (→soundcard)
← Zum vorherigen Versionsunterschied	Zum nächsten Versionsunterschied →
Zeile 27:	Zeile 27:
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.	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===	+ ===Soundcard===
If there is no onboard sound available, you can use a USB soundcard instead. Suggested types you can find [[Geeignete Soundkarten here]].	If there is no onboard sound available, you can use a USB soundcard instead. Suggested types you can find [[Geeignete Soundkarten here]].

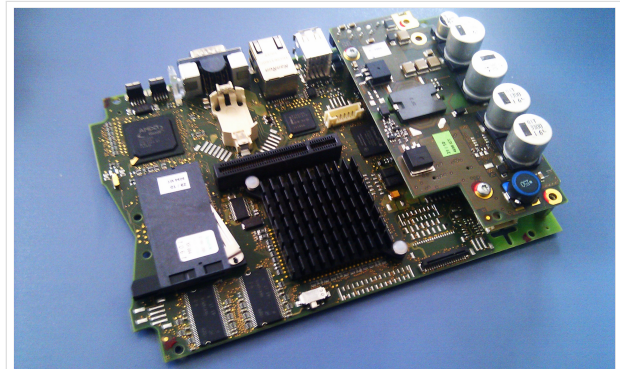
Version vom 30. April 2013, 10:28 Uhr

Inhaltsverzeichnis	
1	Intro 12
2	Hardware 12
2.1	Connections and conversion of the used industrial pc 12
2.2	Soundcard 13
3	Software 13
4	Help 13

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

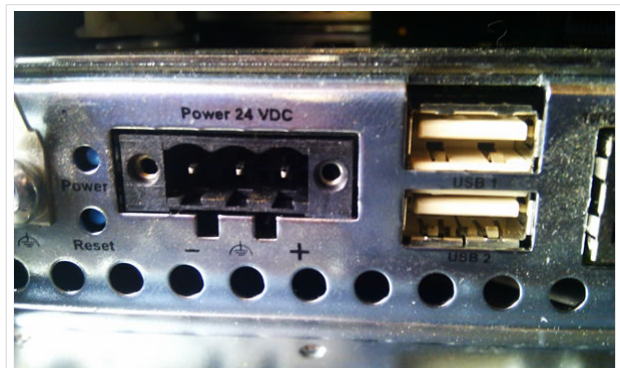
More information on the hamradio TCE - tinycore linux project coming here soon

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](#)).

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.



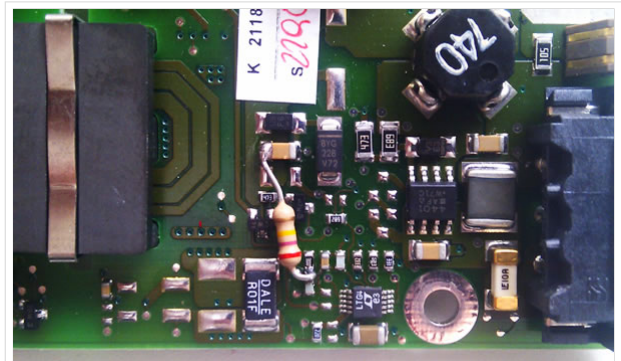
polarity industrial PC

Connections and conversion of the used industrial pc

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.



power supply conversion 12V

Soundcard

If there is no onboard sound available, you can use a USB soundcard instead. Suggested types you can find [here](#).

Software

A ready-to-use software image is located on the [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 OE5DXL on packet radio convers channel 44 or 4711.