

Facuum

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| Project | Facuum |
| Description | Building a small vacuum cleaner from old computer fans! |
| Status | Planning |
| Contact | metalgamer |
| Participants: | |

Fans

We use the San Ace 40 fans, taken from an old server we've got. They have a proprietary 12 pin connector. After further inspection, we found out, that they are actually 4 3-pin Fans.

Here are the pinouts:

| Fan 1 | Fan 2 | Fan 3 | Fan 4 |
|----------------------------|----------------------------------|---------------------------|---------------------------------|
| Red: +3V | Red/White: +3V | Orange: +3V | Orange/White: +3V |
| Black: Ground | Black/White: Ground | Grey: Ground | Grey/White: Ground |
| Yellow: Tachometric Signal | Yellow/White: Tachometric Signal | Brown: Tachometric Signal | Brown/White: Tachometric Signal |

Sadly, these fans are not reversible, but there is a pin not connected on the PCB, maybe by soldering the +V wire to that pin, we can reverse the fan.

The voltage mentioned in the table, is the minimum voltage needed to start the fan. The maximum voltage is +23V after that, the fan start to lower their speed.

From:
<https://wiki.c3l.lu/> - **Chaos Computer Club Lëtzebuerg**

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Last update: **2019/01/28 21:07**

