Facuum

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.

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