



### IO Header Pinout

<input type="checkbox"/>	Power OK
<input type="checkbox"/>	External On
<input type="checkbox"/>	External Fan
<input type="checkbox"/>	Current Share
<input type="checkbox"/>	3.3V Standby
<input type="checkbox"/>	5V Out
<input type="checkbox"/>	5V Out
<input type="checkbox"/>	Ground
<input type="checkbox"/>	Current Sense
<input type="checkbox"/>	Ground

Current Sense on V0.5 boards should measure the supply's output current within 5%. A 1.8V signal corresponds to 60A; the formula for computing current based on pin voltage is  $\text{Current} = 33.3V_{\text{cur}}$

For load-balancing, all boards need to have the 12V and GND terminals electrically connected through a low-resistance path, and all Current Share pins connected together.

The 5V Out is rated for 2A output, and switches on with the main (12VDC) power. The 3.3V pulls from the supply's standby power and is available anytime the supply is connected to AC.

Switch 1 enables or disables the internal fan speed control. Switch 2 enables or disables external fan speed control. Switch 1 and Switch 2 should not be enabled at the same time if the External Fan pin is in use. External Fan control on these supplies is sensitive, with the effective range transitioning from low to high at an input voltage swing of about 1.1-1.8V.

External On is an active-high input, and will trigger the supply to power-on with a signal voltage of at least 3V, which means it can be connected to any standard PC voltage (or an adjacent board's 5V or POK pin) to power on the supply with the rest of the computer. Switch 3 enables or disables the External On feature.

Power OK will output 3.3VDC when the supply's 12V rail is brought up to rated output range.