

ED703 – Skiff-friendly Passive Busboard



The ED703 is a low-height passive busboard similar to many other busboards on the market in that its sole function is to distribute the euro-synth power supply rails and control voltages throughout your system.

The ED703 design however follows a slightly different approach by adopting a form of busbar approach to the main power. On the ED703 both the +12V and -12V rails are run as heavy-duty power rails across the width of the busboard but outside the boundaries of the power module connectors. This allows these rails to be substantially wider than most competitor designs and allows these rails to have a much lower end-end impedances as well as a much higher current carrying capacity.

As these 'busbars' pass each module power outlet a track is 'tapped off the busbar' which then runs direct to the relevant connector pins.

The ED703 also utilises right-angled IDC connectors that provide a low overall height to the busboard as the module power cables connect 'parallel to the back of the rack' as opposed to the more conventional 'right-angle to the back' arrangement. This makes the ED703 ideal for shallow height - skiff - rack systems.

Details

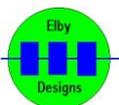
The ED703 has dimensions of 334mm x 90mm allowing it to fit comfortably in to a 3U 84HP section of your system although it is better suited to a 6U rack with the ED703 mounted behind the centre rails supporting 11 modules in each 3U sub-section.

Each ED703 provides 22 module power outlets with 11 facing the top of the rack and 11 facing down.

The ED703 incorporates a common 5V rail allowing an external 5VDC supply to be connected to the busboard via a module power connector, and distributed to all connected modules.

Power

The ED123 requires external power in the form of a well-regulated +/-12VDC supply. Within the Panther family this power can come from either:-



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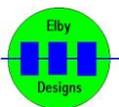
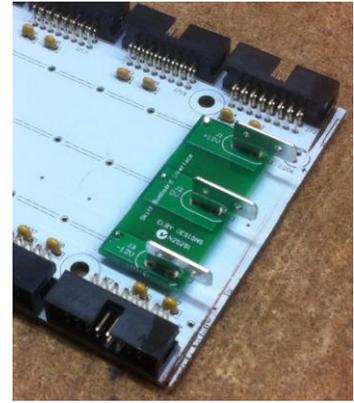
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ED703 – Skiff-friendly Passive Busboard

- ED126 – Powered Passive Busboard, or
- ED122 – Power Unit.

Both of these solutions utilise linear regulators offering high-quality, low-noise power rail outputs and are ideally suited as part of the installation of a quality back-bone power distribution system. Alternately any other suitable +/-12V supply may be used. Power connections to the ED703 are via 3x 1/4" quick-connect tabs at the right-hand end of the unit.



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