

POSEIDON ROBOTICS, LLC



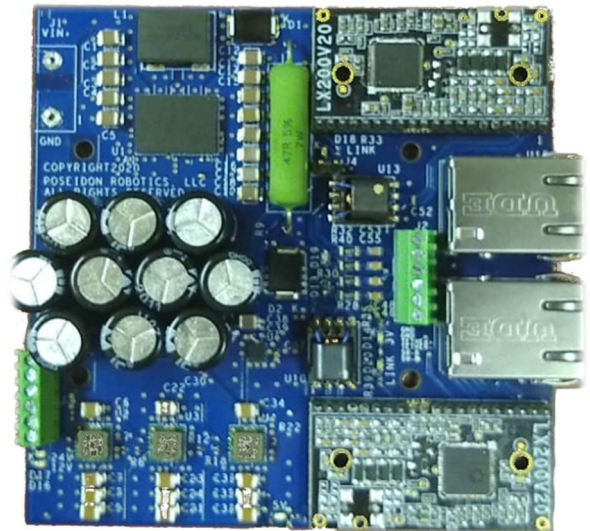
DUAL ETHERNET & POWER SUPPLY MUX 2

Our Dual Ethernet Power Supply Multiplexer or “DEPSMUX2” is an electronic printed circuit board assembly that can be installed in small Remotely Operated Vehicles (ROVs) to provide 2 Ethernet ports and regulated power. On systems like the BlueROV2, this allows a second 10/100 Ethernet port to be used for auxiliary equipment, such as an imaging sonar or second IP camera. In addition, 4 different regulated power outputs are provided: 24V, 12V, and 2x 5V. These can be used to power auxiliary equipment or existing control power on the vehicle. The DEPSMUX2 installs in the same mounting holes as a Blue Robotics FathomX board and comes standard on our Lanai ROV. Thermal protections and overcurrent limiting are designed into the board, as well as indicator LEDs for communication and power. Only a single FathomX or other LX200V20 based adaptor is required at the other end (i.e. drop in replacement on a Blue ROV2). As an added feature, the DEPSMUX2 uses 50 Farrads of super capacitors to provide not only rock steady 24V output, but also to enable communications and control power to remain on for up to 30 seconds after a power interruption. Think of this as a small Backup system when the batteries or surface power supply are interrupted preserving precious data.

SPECIFICATIONS:

DEPSMUX2

1. 2 Ethernet ports on a single twisted pair
2. Input voltage of 10 to 48VDC for any battery or surface power
3. 60Mbps up/down over 300m tether
4. Up to 120W regulated power output
5. 24VDC up to 4A
6. 12VDC up to 3A
7. 5VDC up to 3A
8. Additional 5VDC up to 2A
9. Low output noise
10. Fits cleanly into standard Blue ROV2
11. Dimensions: 3.6 x 3.6 x 0.9in (91x91x23mm)
12. Part Number: E0022
13. MSRP only \$499 US



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