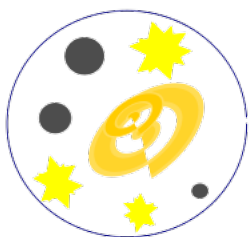


Introducing our state-of-the-art I/O Expansion Module, designed to empower your projects with seamless control and unparalleled safety. Whether you're a hobbyist, engineer, or DIY enthusiast, this module is your gateway to limitless possibilities.

Key Features:

1. **Dual MCP23S17 ICs:** Harness the power of two MCP23S17 16-Bit I/O Expander ICs – one dedicated for inputs, ensuring robust data acquisition, and the other exclusively for outputs, enabling precise device control.
2. **Galvanic Isolation with Opto Switches:** Prioritize safety in your projects. Our I/O Expansion Module integrates opto switches for galvanic isolation, shielding your electronics from voltage spikes and surges, ensuring secure and reliable operation.
3. **SPI Interface:** Interact effortlessly with your system via the SPI interface. This streamlined communication protocol ensures swift and efficient data exchange, allowing you to focus on the heart of your project.
4. **Connector Options:** Tailor the module to your needs. Choose between 2.54mm header connectors for easy integration into your existing setups or Push terminals for a robust, secure connection. The choice is yours, ensuring seamless compatibility with your specific project requirements.
5. **Effortless Expansion:** Need more I/O pins? No problem! Our module is stackable, facilitating seamless expansion. Connect multiple modules effortlessly to scale your projects without limitations, providing endless opportunities for your creative endeavors.
6. **Unparalleled Flexibility:** Whether you're orchestrating automation systems, developing cutting-edge robotics, or creating interactive art installations, the versatility of our I/O Expansion Module amplifies your creativity. Control motors, sensors, LEDs, and various devices effortlessly, opening doors to innovative projects.
7. **Built to Last:** Crafted from premium electronics and rigorously tested, our I/O Expansion Module is built for durability. Its robust design ensures longevity, even in demanding environments, providing a dependable foundation for your projects.
8. **Expert Support:** Need guidance? Have questions? We're here for you. Our dedicated team of experts (Singular) is committed to providing unmatched customer support, ensuring you receive the assistance you need at every stage of your project.

Elevate your projects with our I/O Expansion Module, featuring dedicated MCP23S17 ICs, an SPI interface for seamless interaction, and the flexibility to choose between 2.54mm header connectors and screw terminals. Experience expanded I/O capabilities and the assurance of secure, stable operation. Empower your projects – order now and unlock the true potential of your creativity!



PAN ROBOTICS