



**4xSPI Range Extender**

## Reliable Signal Extension for Multi-Channel SPI Systems

The **4xSPI Range Extender ACL-SPI-Tx/4-SPL/0** is engineered to extend SPI signals over long distances, ensuring stable and consistent performance for complex installations. This device provides amplification and independent operation for four channels, making it the ideal solution for large-scale, multi-device SPI systems such as LED addressable strips. With high-speed data handling and versatile voltage support, the 4xSPI Range Extender guarantees optimal signal integrity, empowering you to efficiently control multiple SPI devices without sacrificing performance.



**Signal Range Extension:**

Extends SPI signals over long distances for complex installations.



**Multi-Voltage Support:**

Compatible with 3.3V and 5V TTL-SPI logic levels for flexibility.



**Power Supply Flexibility:**

Operates on 12V / 24V DC input for versatility.



**Compact & Robust Design:**

Durable and space-efficient for seamless integration.



**LED Power Indicator:**

Provides visual feedback for power status.



**High-Speed Data Handling:**

Supports fast SPI data rates for responsive LED displays.



**Wide Temperature Range:**

Operates in harsh environments from -20°C to +55°C.



**Plug-and-Play Operation:**

Quick, simple installation with minimal setup.



**Reverse Polarity & Short-Circuit Protection:**

Safeguards the system against electrical issues.



**BUILT FOR SCALE,  
DESIGNED FOR  
PERFORMANCE.**

**\*\*For optimal performance, pair this unit with Allanson's ACL-SPI-EXT-Rx receivers. Compatibility with Allanson's receivers ensures seamless integration and reliable operation.**

