













SPI Range Extender (Transmitter/Receiver)

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The **SPI Range Extender (Transmitter: ACL-SPI-EXT-Tx | Receiver: ACL-SPI-EXT-Rx)** boosts and extends SPI-controlled LED strip signals, ensuring reliable, long-distance communication even in challenging environments. Perfect for large-scale lighting installations, it maintains signal integrity and responsiveness across extended distances.



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| <ul style="list-style-type: none">  <p>TTL to Differential Conversion:
Reduces noise and signal degradation for long-distance communication.</p>  <p>Differential to TTL Conversion:
Ensures smooth SPI communication with standard TTL interfacing.</p>  <p>Extended Signal Range:
Extends SPI communication up to 300+ feet, depending on environment and cable quality.</p>  <p>Noise Immunity:
Uses differential signaling to minimize EMI and ensure reliable transmission.</p>  <p>High-Speed Data Transmission:
Supports fast data rates up to several Mbps.</p> | <ul style="list-style-type: none">  <p>Multi-Voltage Support:
Compatible with 3.3V and 5V TTL-SPI logic levels for versatile use.</p>  <p>Compact and Easy Installation:
Plug-and-play design for quick setup with minimal configuration.</p>  <p>Built-in Protection:
Includes reverse polarity and short-circuit protection for safe operation.</p>  <p>Power Supply Flexibility:
Operates on 12V DC / 24V DC power supplies.</p>  <p>Outdoor Protection:
Resistant to high humidity for use in challenging environments. Functions in temperatures from -20°C to +55°C.</p> |
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READY TO EXPAND YOUR LIGHTING REACH?

Whether you're managing large-scale installations, outdoor projects, or environments with high interference, the SPI Range Extender (Transmitter & Receiver) ensures your LED lighting systems perform reliably.

