

About Us

Tianjin Sentinel Electronics Co., Ltd. (SENTINEL) was founded in 2008 and has been deeply engaged in China's industrial automation control field for over a decade. As a research-driven high-tech enterprise, SENTINEL has consistently focused on the development and production of industrial network distributed I/O and sensor products. It is one of the few domestic manufacturers dedicated to the research and development of Industrial Ethernet and fieldbus products.

We adhere to the business philosophy of "Innovation Drives Intelligent Manufacturing, Service Builds Trust," taking customer needs as our guide. Through continuous product refinement and technological upgrades, we strive to provide users with superior products, enhanced application experiences, and high-quality services.

Faster, more flexible, and more efficient production requires seamless communication from sensors to the Internet. SENTINEL offers a wide range of high-quality product options and comprehensive solutions. Our products are widely used in metallurgy, metal processing, construction machinery, machine tools, logistics and packaging, automotive and components manufacturing, and the new energy industry. With reliable product quality and attentive service, we have earned the trust and recognition of a broad customer base.

TIANJIN SENTINEL ELECTRONICS CO.,LTD.

Address: Hitech green industry base, Huayuan industrial park, Tianjin China

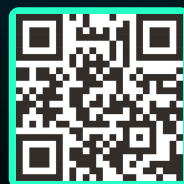
Website: www.sentinel-china.com

Tel: 022-83726972

E-mail: export.sentinel@gmail.com



Official website



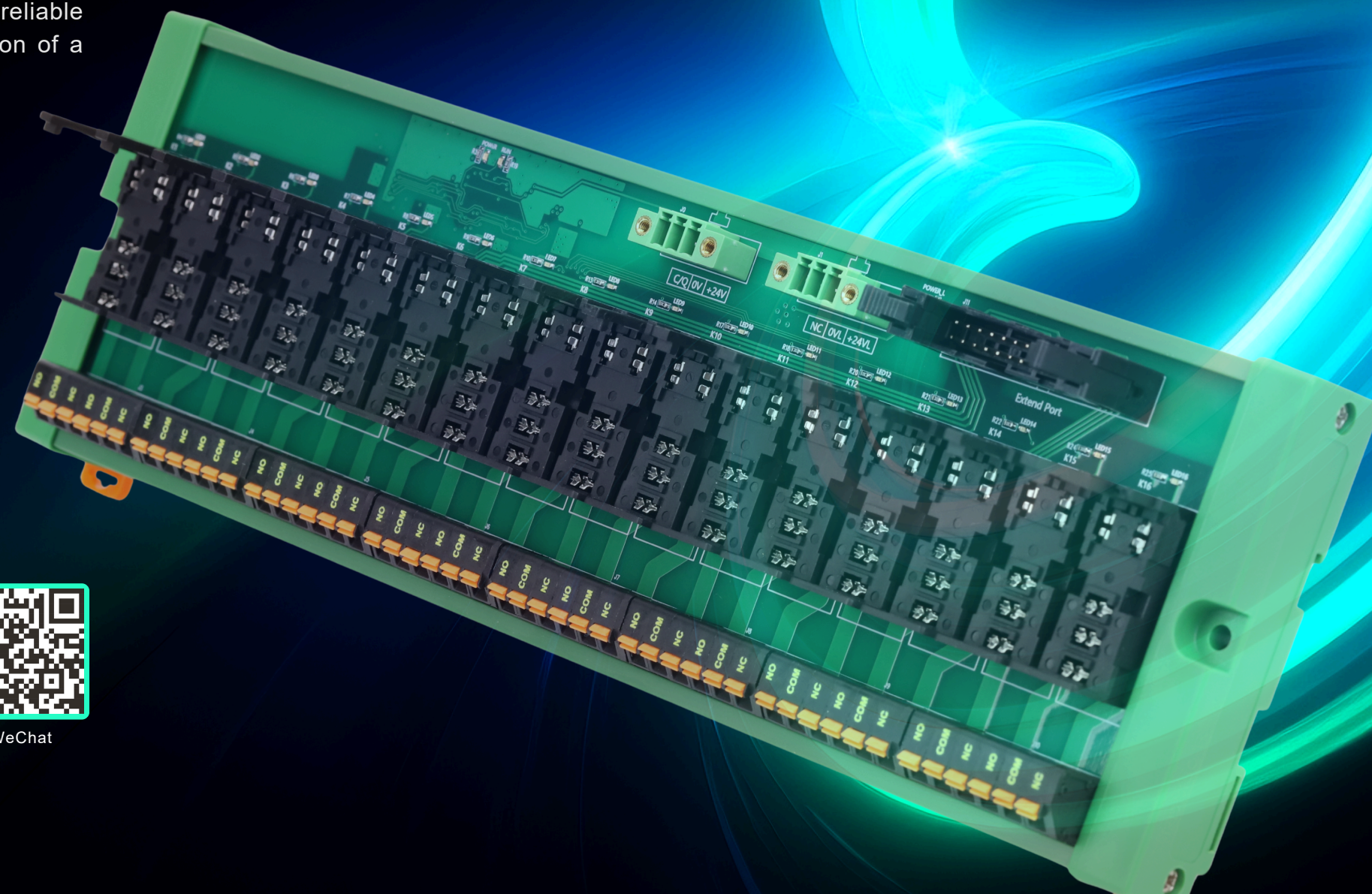
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HELLO FUTURE First Launch 2025

IO-Link Relay Module Introduction



ADVANTAGE

O1 High-Efficiency Expansion



- A single 4-port IO-Link master can connect up to 128 relays.
- Compared with traditional expansion output modules for the same number of relays, costs can be reduced by 40%.

O2 Smart Monitoring



- Real-time monitoring of temperature, overcurrent, and switching cycles.
- Remote monitoring and maintenance simplify wiring and significantly reduce labor costs (up to 95% savings).

O3 Flexible Application



- Compatible with master stations from brands such as Beckhoff, Phoenix Contact, and Siemens.
- Standard relay bases allow plug-and-play replacement, adaptable to various relay brands.

ADAPTATION



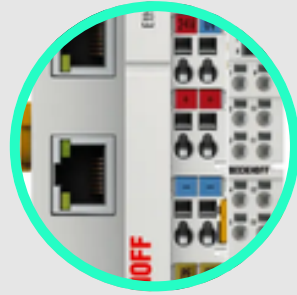
Siemens 1200PLC



Siemens ET200

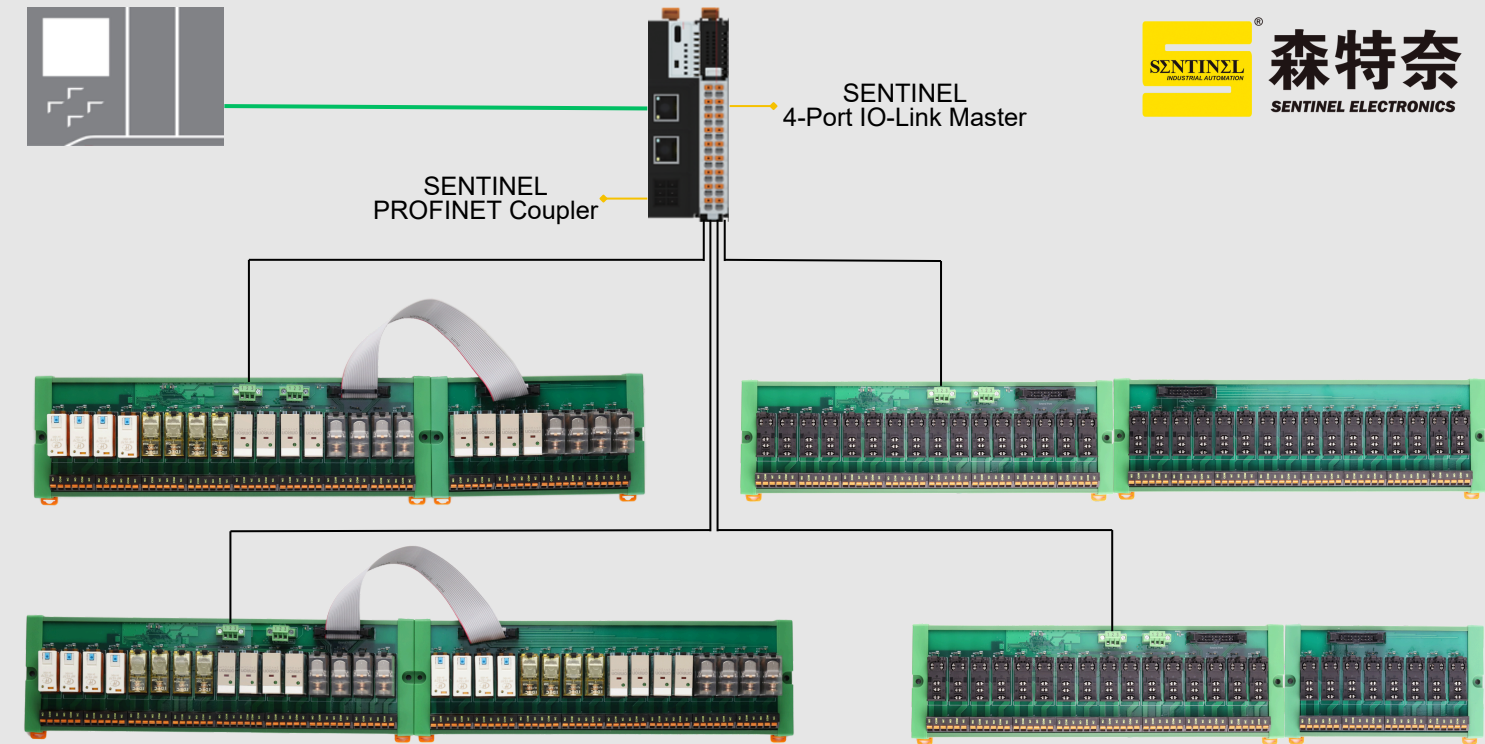


WAGO BC100

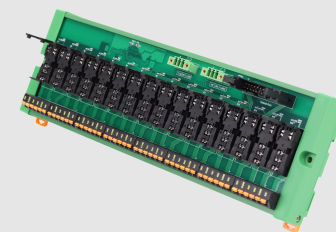


Beckhoff EL6224

CONNECTION

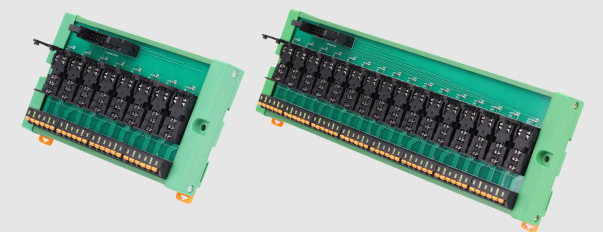


PRODUCTS



IO-Link Expandable Relay Module

- IO-Link remote I/O device
- 16 channels, single output 150 mA per channel, expandable
- IO-Link V1.1 compliant
- DIN35 standard rail mounting or screw fixing
- Communication and load power supply via pluggable push-in terminals



Relay Module Expansion Sub-Module

- Available in 8-channel or 16-channel versions
- Single output 150 mA per channel
- Standard base compatible with relays from various brands
- SPDT contacts
- DIN35 standard rail mounting or screw fixing