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Due to the company's ongoing product upgrades, the content is subject to change without prior notice.

Nanjing Decowell Automation Co.,Ltd.

service hotline

+86-25-58207959

Address: Building 13, Ruichuang Intelligent Manufacturing Park,
No. 19 Lanxin Road, Pukou District, Nanjing, China
Email:contact@njdecowell.com
Website: www.njdecowell.com



DECOWELL SERIES PRODUCTS

Decowell Reliable partner for intelligent manufacturing



- FS Series Integrated I/O
- RX Series High Performance Card I/O
- SD Series IP67 Remote I/0
- RS series integrated I/O
- EX Series Card I/O
- LS Series Discrete I/O



COMPANY PROFILE

Nanjing Decowell Automation Co., Ltd was founded in 2016. It is a national high-tech enterprise integrating technology development, production, sales, and service. As a leading automation service provider in China, Decowell automation products are widely used in 3C, new energy, logistics, food, pharmaceutical, automotive, environmental protection, Educational Instruments Industry, rail transportation, machine tools, metallurgy, chemical, and other industries.

Decowell Automation has served more than 1,000 customers at home and abroad and has established business relationships with many of the world's top 500 companies. The company owns more than 100 intellectual property rights, and its products have been certified by UL, CE, ETG, PI, and CLPA for product conformity.

Decowell Automation keeps pace with the times and continues to provide customers with highly reliable products and solutions for industrial bus applications.

HONOR AND QUALIFICATION

Decowell products have obtained the following certifications:

- UL certification
- CE certification
- Conformity certifications from the three major associations ETG, PI, CLPA
- ISO9001, ISO14001, ISO45001 triple system certifications
- The company possesses over 100 intellectual property rights.









UL Certification

ISO9001

ISO14001

ISO45001





















CE Certification

Product conformance certified by ETG,PICLPA, three major associations



Next generation high protection I/O



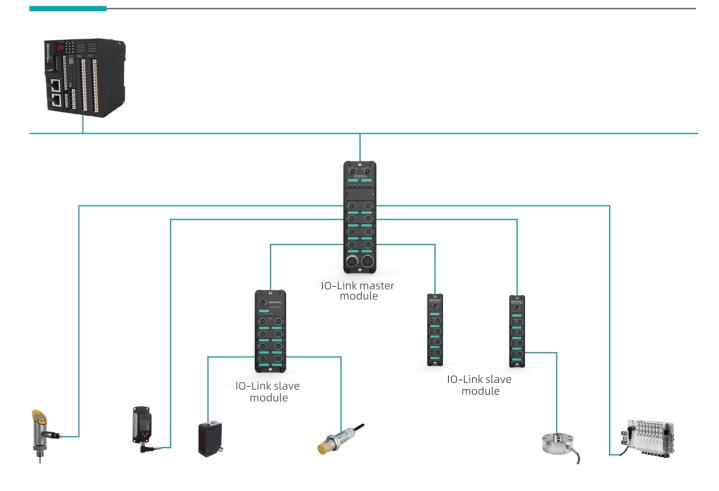
SD Series IP67 Remote I/0

Product description

SD series has a protection level of up to IP67 and supports mainstream fieldbus protocols such as PROFINET, EtherCAT, EtherNet/IP, etc. Fully sealed and miniaturized design, compact structure, easy integration and installation, suitable for application scenarios that require long-term stable operation and use in various harsh industrial environments, with strong anti-interference ability.



Product application topology diagram



DECOWELL SD Series IP67 Remote I/O **IP67 interface description** Product power out Product indicator light Product communication port

10-Link communication port

Product Highlights





Screw installation is convenient and fast

Standard M8/12 interface port, quick wiring

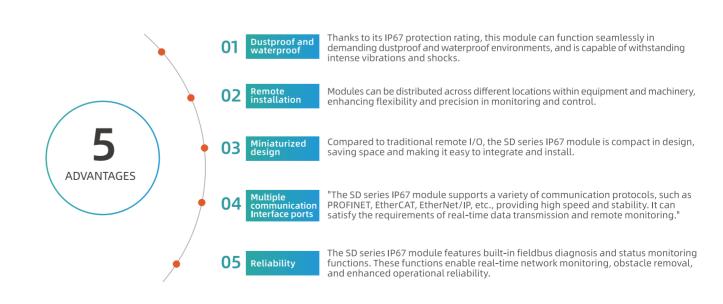




Efficient diagnosis

waterproof, dustproof, shock-proof, high temperature

SD Series IP67 modules are used for product characteristics in harsh environments



Decowell 05

Product power in

Communication indicator light

Compact structure and simple wiring EX series card I/O

Abundant protocols



Efficient diagnosis



Compact structure



Simple wiring

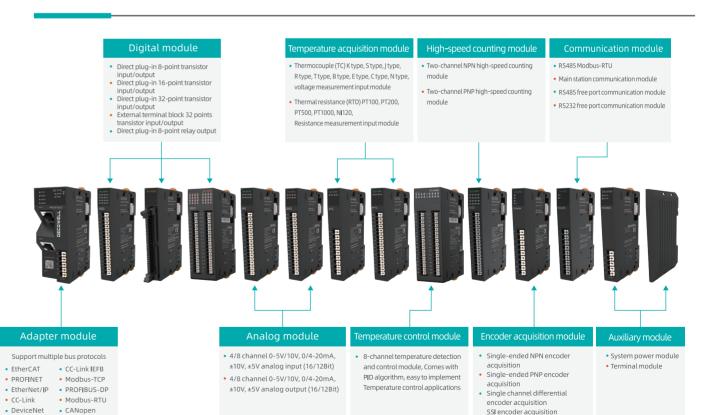
EX series card I/O

Product description

The EX series card type I/O consists of an adapter module, I/O module, power module, and terminal module. The adapter can support multiple communication buses, such as PROFINET, EtherCAT, DeviceNet, etc. I/O modules can be divided into digital input module, digital output module, analog input module, analog output module, and functional module. The maximum number of I/O points for a single module is 32, and a single adapter can scale up to 32 I/O modules. The module is designed with rich diagnostic functions and status indicators, allowing users to easily identify the current operating status of the module.



Module composition



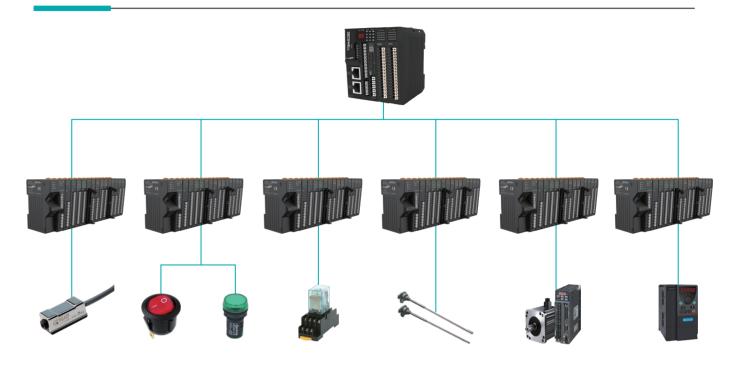


EX series card I/O

EX series interface description



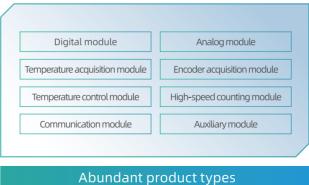
Product application topology diagram



Product Highlights



Small size and compact structure



Support multiple communication protocols

CANopen

CC-Línk **IE** Field Basic

EtherNet/IP®



es Direct plug-in terminal, quick installation

Ether CAT.

DeviceNet

CC-Link

Modbus



More stable and reliable design

FS series integrated I/O











Rich protocol options | Stable performance | Compact yet powerful

powerful | Easy installation

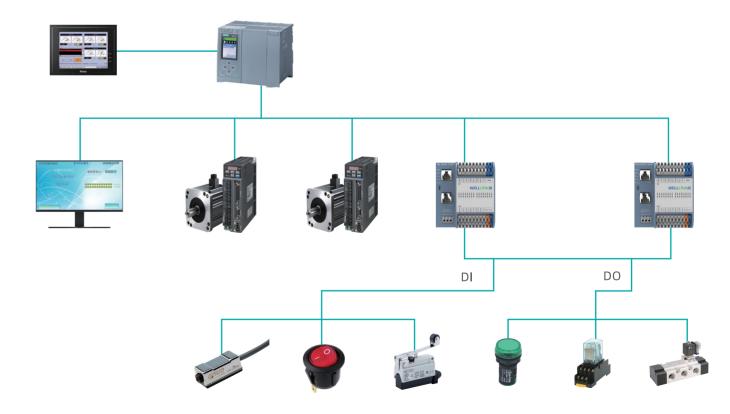
FS series integrated I/O

Product description



The FS series integrated I/O is an early bus product launched by decowell. Innovative design of communication interfaces, power modules, and I/O modules as highly integrated individual modules. It can support various communication buses, such as PROFINET, EtherCAT, etc. The Ethernet communication interface is designed as a 45 degree inclined interface, which can reduce the stress caused by long-term bending of the network cable on the network interface structure, thereby increasing the reliability of the system. All terminals are equipped with screw free terminals, greatly reducing the workload of on-site installation and wiring, and saving installation time.

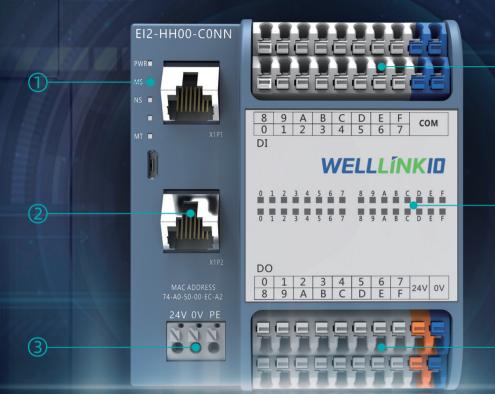
Product application topology diagram





FS series integrated I/O

FS series interface description



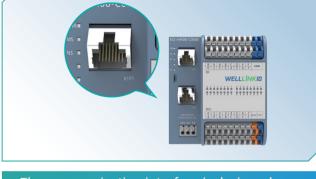
- ① Status indicator light
- ② Bus communication interface
- ③System power input port

- ④ I/O input port
- ⑤ I/O signal indicator light
- 6 I/O output port

Product Highlights



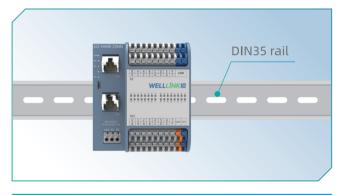
Direct plug terminals, quick installation



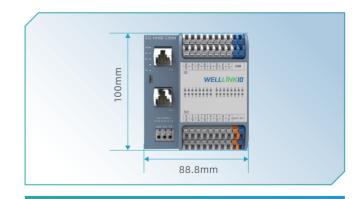
The communication interface is designed as a 45-degree angled interface



Supports multiple communication protocols



DIN35 rail mounted



Small product size and compact structure



Stable communication and no packet loss of data

The same of the sa Stable and reliable protocols RX Series High Performance Card I/O

- Supports vertical unplugged installation
- DIN35 rail mounting
- Modules support hot-swapping

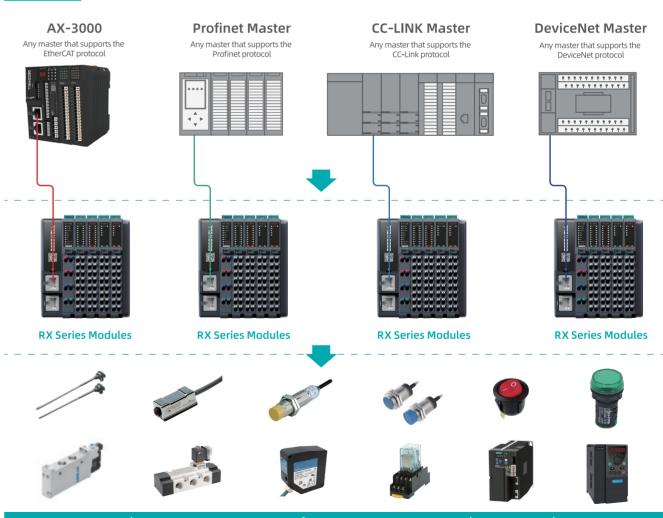
- Supports large-diameter terminals for tool-less wiring
- The communication interface is designed as a 45-degree inclined interface

RX Series High Performance Card I/O

Product description

RX Series High Performance Card I/O is a new generation of card-type modules, supporting mainstream fieldbus protocols, such as PROFINET, EtherCAT, EtherNet/IP, etc., which can be used to collect input and output signals in the equipment system in a more high-speed and reliable way.RX series body is as thin as 12mm, with the design of the three-section structure, the terminals can be detached, the module supports hot-swappable, and the response speed is as high as microseconds. The response speed is up to microseconds. At the same time, it provides high-speed backplane communication and more diagnostic functions to meet the higher performance requirements of customers.

Product application topology diagram



Various sensors, actuators, safety components, etc. can be connected.



Three-section design, flexible disassembly RX Series High Performance Card I/O andLEDs Quickly distinguish D-BUS design. Double the terminals. minimizes installation resulting in errors caused by installation.

Product Highlights

Paper thickness, saving electrical cabinet space

Paper thickness can be as thin as 12mm

One coupler can support 32 modules

Saves 2/3 of the energy cabinet space



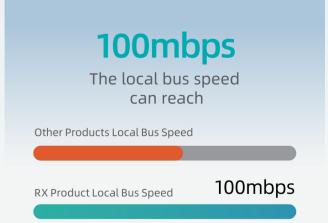
RX Module Electrical Cabinet



Direct plug terminals, tool-free installation

Superior performance, microsecond-level response







Superior performance Quick Installation

RS series integrated I/O



- Supports bus exception output Status Configuration
- Module supports up to 32 digital signal points
- Built-in USB upgrade port Convenient software upgrade
- IO modules support hot-swapping

- Module split design, IO module Support multiple interfaces
- Supports the combination of multi-channel PNP & NPN mixed input and output
- Supports slave loss diagnostics Configuration i nconsistency detection
- Support one key to restore factory settings

RS series integrated I/O

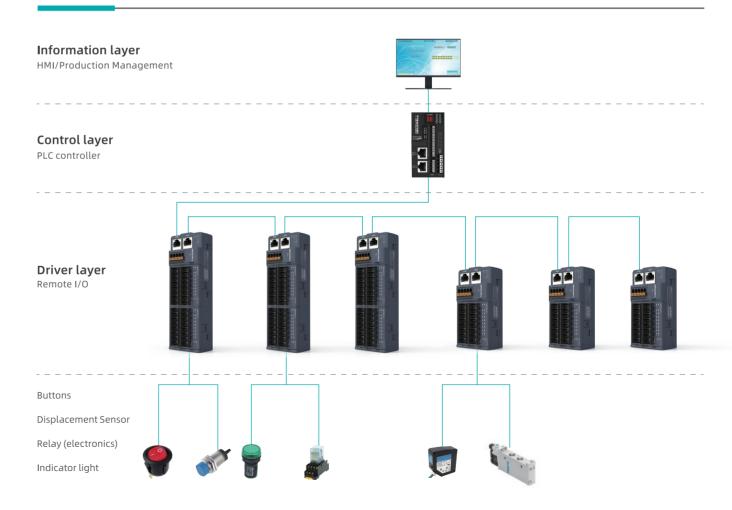
Product description

RS series integrated I/Omodules support a variety of industrial fieldbus protocols, such as EtherCAT, PROFINET, EtherNet/IP, DeviceNet, etc. The I/O modules support a maximum of 32 channels of digital inputs/digital outputs, and users can choose different I/O module components according to the actual needs, with single-slot and dual-slot chassis available. The RS series bus protocols are respectively

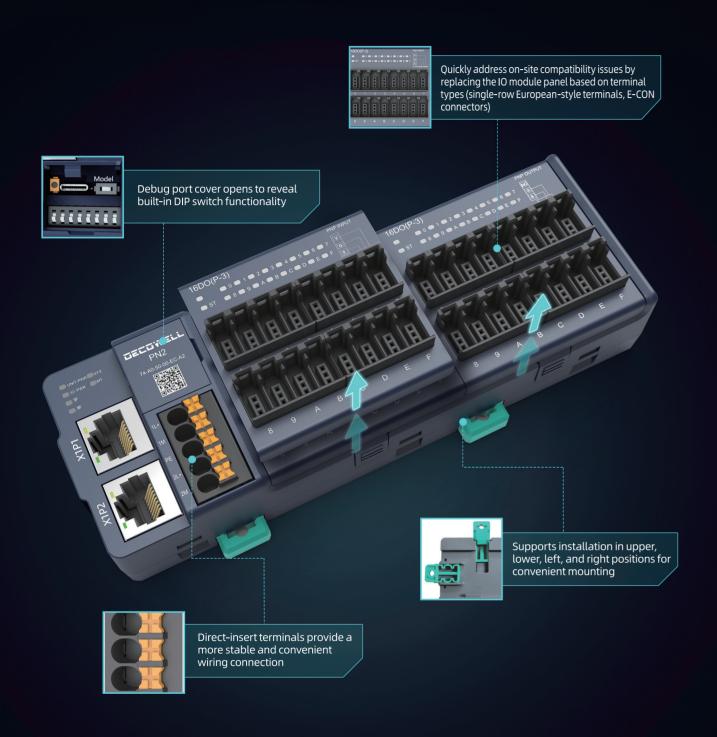
Each bus protocol of RS series supports 16DI NPN, 16DI PNP, 16DO NPN, 16DO PNP, 8DI8DO NPN, 8DI8DO PNP, 8DO relay respectively.



Product application topology diagram







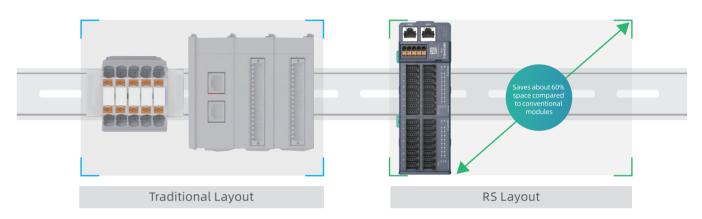
NEW UPGRADE

Faster, more stable next-generation I/O systems

Product Highlights

Small size and space saving

60% saving in installation space



Installation

Flexible options, three installation methods



E-CON Quick Connectors

E-CON Quick Connector Features

compactness

safe and reliable

Quick Wiring

space-saving

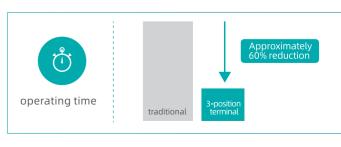
long life

not easily dislodged

Only two steps are required (insertion and crimping) thus drastically reducing the working time by 60%.









Compact size and flexible layout

LS Series Discrete I/O

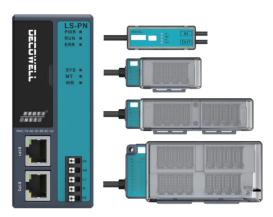


- Communication Cables Free choice
- With infrared Handheld devices
- Flexible topology Layout on demand
- 2-core transmission

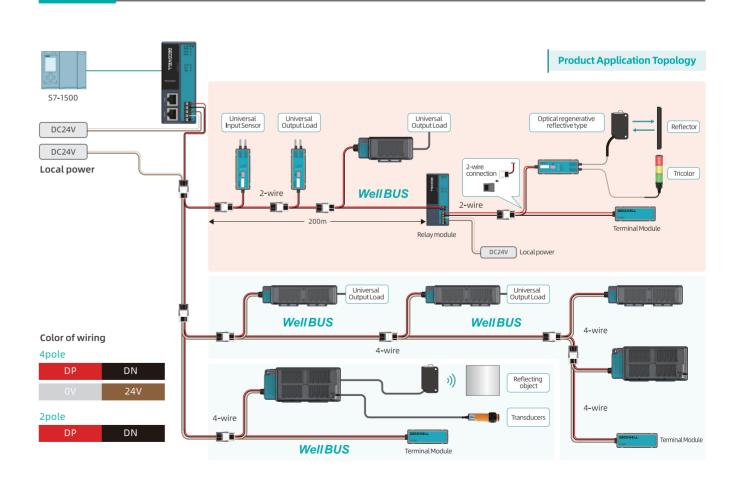
LS Series Discrete I/O

Product description

LS series product is a distributed I/O module developed based on Deckwheel's self-developed bus WellBUS. This series module adopts the way of signal power superposition, which allows free choice of topology, in addition, the compact module volume saves customers more space in the cabinet, and it can be applied to logistics and warehousing and other points of dispersed occasions.



Product application topology diagram



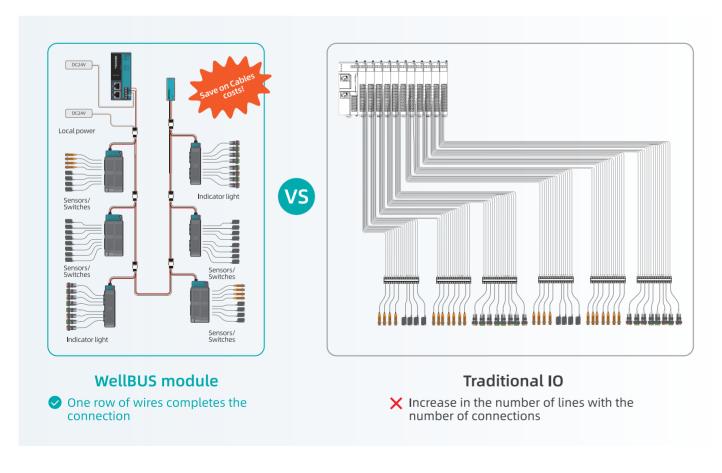


Product Highlights

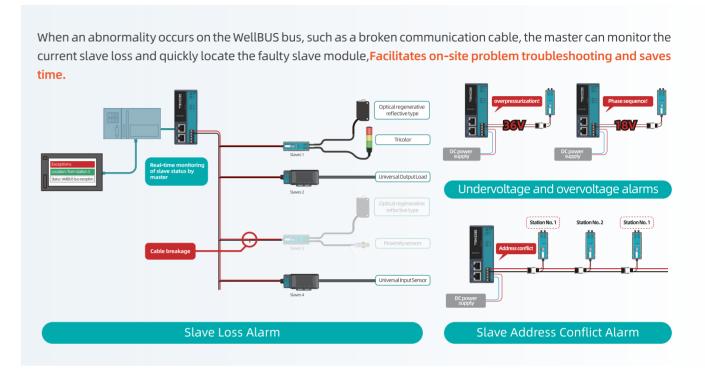
01. Simple cable connection



02. WellBUS Easy wiring



03. Alarm information and status monitoring



04. Performance Parameters

