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Odot Automation

C SERIES-DISTRIBUTED REMOTE I/O

FOR MULTIPLE &FLEXIBLE APPLICATION

Odot Automation founded in 2003, has 20 years of experience in automation control and industrial communication technology. As a national high-tech enterprise specializing in industrial communication product R&D, industrial automation control system design, integration and technical services, the company has passed ISO9001 certification, intellectual property management system standards certification, which is a member of PROFIBUS &PROFINET Association (PIChina), EtherCAT Technology Association, CC-Link, OPC, CCIA, Industrial Internet Alliance and other associations.

Our products range covers from IO module, PLC, Protocol Converter, Industrial Switch, IIOT Gateway, etc., the company could provide deep tailored customized services.
We could provide smart factory data collection services, assist to realize the communication between the control layer and the upper management software (MES, ERP, SCADA, etc.), so that enterprise managers can grasp the real data on the production site in the first time, and take a solid step for the implementation of smart manufacturing.

ODOT products has successfully using professional field data collection solutions for Automative ,New Energy(Lithium battery, Wind Power, Photovoltaic/Solar), Textile enterprises, Automobile Cell enterprises, Cereal & oil processing enterprises, Food and Beverage producing enterprise, Water Treatment, Power Management, Hydro Power Station, Liquor Producing Enterprises etc.

Our Sales and Service network all over the global countries. There are more than 100 distributors. By participating in the China International Industry Fair and Automation Industry exhibitions in Germany, Italy, Spain, Malaysia, India, Turkey, Japan, Vietnam, Brazil, etc .

We are always happy to provide value added services to beyond customer requirements and expectations. we keep Innovation and development more products with "Applied, Aesthetic, Affordable" and in-depth tailored services to meet customer requirements .

Sichuan Odot Automation System Co., Ltd.
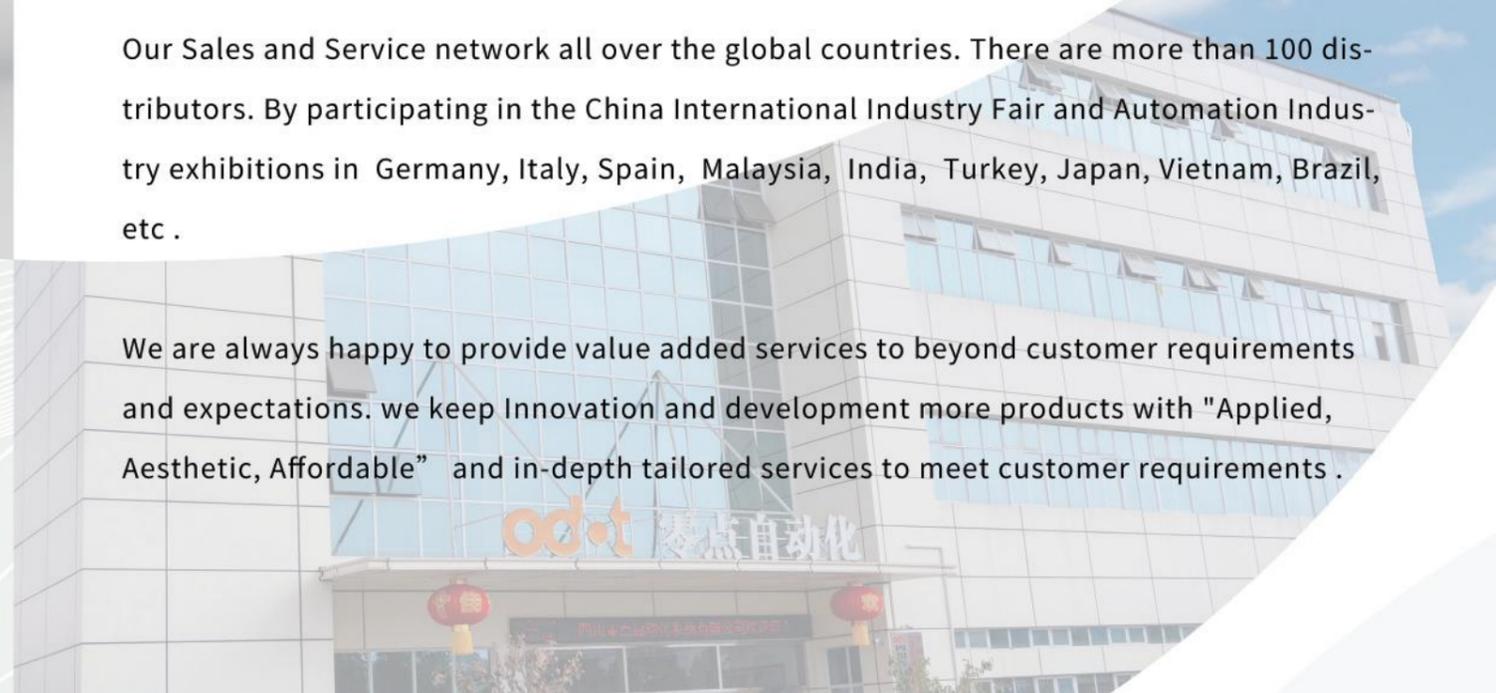
Network adapter

P/N	Specifications
CN-8011	Modbus-RTU Network adapter, 32 slots, the Max. sum of input and output is 8192 bytes
CN-8012	Profibus-DP Network adapter, 32 slots, input Max. 244 bytes, output Max. 244 bytes, the Max. sum of inputand output is 288 bytes
CN-8013	CANopen slave, 64 TPDO, 64 RPDO, Power 24VDC
CN-8021	CC-Link Network adapter, 32 slots, input Max. 244 bytes, output Max. 244 bytes, the Max. sum of inputand output is 288 bytes
CN-8031	Modbus-TCP Network Adapter, 32 slots, input & output max 8192bytes
CN-8032 V.X	Profinet Network Adapter, 32 slots, input & output max 1440bytes, support IRT, support MRP
CN-8032-L	Profinet Network Adapter, 32 slots, input & output max 1440bytes, support RT, support no MRP redudancy, no IRT function
CN-8033	EtherCAT Network Adapter,32 slots, max. 1024 bytes input, max.1024 bytes output
CN-8034	Ethernet/IP Network Adapter, 32 slots, max. 504 bytes input, max. 504 bytes output

Remote I/O module

P/N	Specifications	P/N	Specifications
CT-1218	8 CH digital Intput/24VDC/sink type, PNP	CT-4154	4 CH Voltage Output,0~5Vdc,-5~5Vdc,0~10Vdc,-10~10Vdc
CT-1228	8 CH digital Intput/24VDC/ source ype, NPN	CT-4158	8 CH Voltage Output,0~5Vdc,-5~5Vdc,0~10-Vdc,-10~10Vdc
CT-121F	16 CH digital Intput/24VDC/sink type, PNP	CT-4234	4 CH analog output, 0& 4-20mA/16-bit
CT-122F	16 CH digital input, source, NPN, 24VDC	CT-5102	2 CH encoder/5V input/Quadrature decoding
CT-124H◆	32 CH digital input, sink or source, 34Pin male connector, 24Vdc	CT-5112	2 CH encoder/24V input/Quadrature decoding
CT-221F	16 CH digital Output/24VDC/0.5A/sink type, NPN	CT-5122	2 CH encoder/SSI input
CT-222F	16 CH digital Output, source, PNP, 24Vdc/0.5A	CT-5142	2 CH encoder/differential input/quadrature decoding
CT-2224	4-channel DO ,PNP, 24Vdc@2.2A ,Independent Power Supply	CT-5321	serial port communication sub-module
CT-2228	8 DO, Digital Output ,source,PNP,24Vdc/0.5A	CT-5331	CANopen master,Max supports 128 PDO
CT-222H◆	32DO PNP 24Vdc@0.5A, 34Pin male connector,the output high level is valid	CT-5711	Fieldbus Extended Master Module
CT-2718	8 CH Relay Output ,（9~30Vdc@2A,110Vac@0.55A, 250Vac@0.25A）	CT-5721	Fieldbus Extended Slave Module
CT-3168	CH Analog Input,0~5Vdc,-5~5Vdc,0~10Vdc,-10~10Vdc	CT-5801	Terminal module as extra module
CT-3238	8 CH analog input/ 0& 4-20mA/15-bit	CT-623F	8 CH / digital input / 24VDC / source or sink type & 8 channels
CT-3234	4 CH analog input/ 0& 4-20mA/15-bit	CT-7100	Field Expansion power Supply,24Vdc/8A,No need configure
CT-3268	8 CH analog input/-20~20mA/15-bit	CT-7220	System power input 24Vdc,Output 5Vdc/2A,Field power input 24Vdc,Output 24Vdc/8A
CT-3713	3 CH Analog Input,RTD(PT100)	CT-7221	Field Power+System Power 2A, Expansion power Supply, need configure
CT-3716	6 CH Analog Input,RTD-PT100,Accuracy≤0.5°C	CT-730F	18 CH filed power distribution module 0V
CT-3723	3 CH Analog Input,RTD(PT1000)	CT-731F	18 CH filed power distribution module 24V
CT-3804	4 CH Analog Input,Thermocouple	CT-732F	18 CH filed power distribution module PE
CT-3808	8 CH Analog Input,Thermocouple	CT-7339	18 CH filed power distribution module 9*24V/9*0V
		CT-7346	18 CH filed power distribution module 6*24V/6*0V/6*PE

"◆" Product, support 2.54mm pitch 20P/34P in-line male connector, you need to choose the connector and wiring, please consult our sales

Leading Automation Data Acquisition
IO Solution Provider

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C series – the remote IO system consists of network adapter module and extended IO module. The network adapter module is responsible for fieldbus communication, and it could realize the communication with the master controller or host computer software.

C series remote IO system

NETWORK ADAPTER

IO MODULE

PLC

PROFI NET®   PROFI BUS®

CC-Link   CC-Link IE

Modbus   ETHERNET POWERLINK

EtherNet/IP   EtherCAT®

DeviceNet   CANopen®
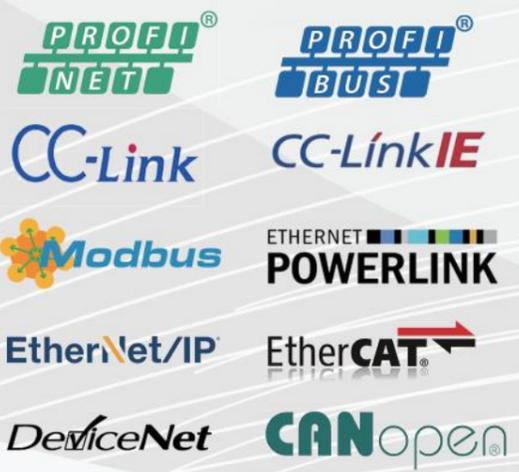
◆The product carries ultra-thin design for space saving

◆Spring terminal design for convenient and fast wiring

◆Industry's first guide light terminal design.

◆High-speed 12M CANBUS backplane carrying 64 digital quantity modules of a refreshing period at 2ms and analog modules at 3.4ms.

◆The IO system could carries max.of 32 pcs of IO modules

◆BOXIO-32 carries 1 communication board and 2 IO slots；BOXIO-64 carries 1 communication board and 4 IO slots;

◆The communication protocols with Modbus-TCP, PROFINET, EtherCAT,CANopen，EtherNet/IP are optional for the communication board;

◆Slots 1/2/3/4 can be independently selected according to customer IO requirements, and a single module supports up to 16 channels;

◆With LCD display, you can view information such as communication parameters, IO channel status, module version, etc.;

◆Plastic shell, small size, easy to install;

◆Support DIY

CARDS FOR BOXIO

◆Supports protocol conversion between Modbus andPROFINET

◆Supports 2* RS485/RS232 or 1*RS422

◆Supports Modbus master or slave, and supports RTU or ASCII

◆Supports working temperature of -40℃~85℃

◆Supports data area: 2 serial Modbus-RTU/ASCII to PROFIBUS gateway with Max. input 1440 bytes and Max. output 1440 bytes

◆Supports one key reset

☐ ODOT-PNM02 V2.0 / V2.1: Modbus-RTU/ASCll To ProfiNet Converter
☐ ODOT-S4E2: 4 Serial Modbus-RTU/ASCII To Modbus-TCP Converter
☐ ODOT-S2E2: 2 Serial Modbus-RTU/ASCII To Modbus-TCP Converter
☐ ODOT-DPM01: Modbus-RTU To PROFIBUS-DP Converter
☐ MG-CANEX : CANopen To Modbus-TCP Converter
☐ ODOT-S1E1 V2.0: Serial Gateway
☐ ODOT-S7MPIV2.0: PPI/MPI/PROFIBUS Interface to EtherNet

PROTOCOL CONVERTER

BN-8011	Modbus-RTU slave, 2 IO slots, Spring Terminals, Dual Ethernet Port, 24VDC
BN-8021	CANopen adapter, 10P Spring Terminals, 64 TPDO, 64 RPDO, 24VDC
BN-8031	Modbus -TCP adapter, 2 IO slots, Spring Terminals, Dual Ethernet Port, 24VDC
BN-8032	Profinet protocol network adapter, 2 IOslots, Spring Terminals,24VDC, supports MRP & IRT
BN-8032-L	Profinet protocol network adapter, 2 IO slots, Spring Terminals, Dual Ethernet Port, 24VDC,support no MRP redudancy, no IRT function, support RT
BN-8033	EtherCAT adapter, 2 IO slots, Spring Terminals, Dual Ethernet Port, 24VDC
BN-8034	Ethernet/IP adapter, 2 IO slots, Spring Terminals, Dual Ethernet Port, 24VDC
BT-124F	16 CH / digital input / 24VDC / dual direction, the input high&low level is valid
BT-221F	16 CH / digital output / 24VDC / sink, the output low level is valid
BT-222F	16 CH / digital output / 24VDC / source, the output high level is valid
BT-3158	8 CH / voltage input / 0-5V/ 0-10V/±5V/±10V, 12bit
BT-3168	8 CH voltage input / 0-5VDC/ 0-10 DC/±5VDC/±10VDC, 16bit, single ended
BT-3238	8 CH / current input /0&4-20mA, 15bit, single ended
BT-3244	4 CH / current input / 0&4-20mA,±20mA, 15 bit, Single-ended bipolar
BT-3714	4 CH / RTD input / PT100 / 15bit
BT-3724	4 CH / RTD input / PT1000 / 15bit
BT-3804	4 CH Thermocouple / TC / Input, 24bit
BT-4154	4 CH / Voltage Output /0-5V/0-10V/±5V/±10V,16 bit
BT-4234	4 CH / current output / 0&4-20mA, 16 bit, single ended
BT-5102	2 CH Encoder Input,5V ,≤1.5Mhz
BT-5112	2 CH Encoder Input,24V ,≤1.5Mhz
BT-5121	1 CH ,Encoder SSI Input,5V ,≤2Mhz
BT-5141	1 CH ,Encoder differential Input,5V ,≤10Mhz
BT-623F	8 CH DI dual direction input,counting frequency < 200Hz) 24VDC & 8CH DO 24V DC@0.5A(the output high level is valid)

◆All supports IEEE802.3/802.3u/802.3x/802.3z

◆Supports broadcast storm protection

◆Working temperature range: -20℃-70℃;

◆5/8/16 ports unmanaged Ethernet Switches DIN-rail

◆10/100/1000 Mbps self-adaption,(Auto-MDI/MDI-X)

☐ODOT-MS105T: 5-port 10/100Mbps, 35mm DIN-rail
☐ODOT-MS108T: 8-port 10/100Mbps, 35mm DIN-rail
☐ODOT-MS116T: 16-port 10/100Mbps, 35mm DIN-rail
☐ODOT-MS105G: 5-port 10/100/1000Mbps, 35mm DIN-rail
☐ODOT-MS108G: 8-port 10/100/1000Mbps, 35mm DIN-rail

INDUSTRIAL SWITCH