

ODOT Automation-B-Series

Cost-Effective Box CODESYS PLC

A PLC built based on the structure of the BOXIO

Integrated design; Supports 5 programming languages;

32/64 points selectable; Supports Modbus TCP communication;

Expansion IO module for B-Series PLC supports B-Series IO, 2/4 expansion IO cards



B2341

► Integrated Design, Originality Unlimited:

- (1) CODESYS programming environment
- (2) Supports 5 programming language: LD, IL, ST, CFC/FBD, SFC

► Small Data Point, Rich Versatility:

- (1) 32/64 I/O points optional
- (2) Designed for precisely cost down of small automation machinery

► Remote Deployment, Fast Response:

- (1) Distributed field deployment, to implement edge control
- (2) High speed backplane bus

► Easy to Program, Easy to Communicate, Easy to Master:

- (1) IEC61131-3 programming language
- (2) Supports Modbus TCP client and server
- (3) Self-developed core solution

Modular DIY I/O



- ▶ BOXIO-32 carries 1 COMM board and 2 IO slots; BOXIO-64 carries 1 COMM board and 4 IO slots
- ▶ The COMM protocols with Modbus TCP, PROFINET, EtherCAT, CANopen, EtherNet/IP are optional
- ▶ 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, Easy view information COMM parameters, IO channel status, module version
- ▶ ABS resin shell, small size, easy to install
- ▶ Support D.I.Y.



COMM board

BN-8011	Modbus RTU slave function
BN-8021	CANopen slave function
BN-8031	Modbus TCP server function
BN-8031-6V	Modbus TCP server function, 8DI&8DO
BN-8031-68S	Modbus TCP server & Modbus RTU master function, 4DI&4DO
BN-8032	PROFINET slave function
BN-8033	EtherCAT slave function
BN-8034	EtherNet/IP slave function

I/O Card

BT-124F	16 channel / digital input / 24VDC / dual direction, the input high&low level is valid
BT-221F	16 channel / digital output / 24VDC, the output low level is valid
BT-222F	16 channel / digital output / 24VDC, the output high level is valid
BT-3158	8 channels voltage input, 0~5VDC / 0~10VDC / ±5VDC / ±10VDC, 12-bit
BT-3168	8 channels voltage input, 0~5VDC / 0~10VDC / ±5VDC / ±10VDC, 16 bit
BT-3238	8 channels / current input / 0&4-20mA, 16 bit single-ended,

I/O Card

BT-3244	4 channels / current input / 0&4-20mA, ±20mA, 16-bit, single-ended bipolar,
BT-3714	4 channels thermal resistance input, RTD-PT100
BT-3724	4 channels thermal resistance input, RTD-PT1000
BT-3804	4 channels Thermocouple input, TC-J / K / E / T / S / R / B / N type, fixed filtering parameters
BT-4234	4 channels current output, 0&4-20mA, 16-bit, single-ended
BT-4154	4 channels voltage output, 0~5VDC / 0~10VDC / ±5VDC / ±10VDC, 16-bit
BT-5102	2 channels orthogonal / pulse encoder input, 5V , < 1.5MHz
BT-5112	2 channels orthogonal / pulse encoder input, 24V , < 0.5MHz
BT-5121	1 channel SSI encoder input, 5V differential, 2MHz
BT-5141	1 channel orthogonal / pulse encoder input, 5V differential, 10MHz
BT-5312	2-Channel Modbus Serial Port Module
BT-623F	8 channels digital input, NPN&PNP / 24VDC, supports counter function (counter frequency up to 200Hz); 8 channels / digital output / PNP / 24Vdc/0.5A