



CANX Range

Integrated Input/Output extension modules

The **CANX** range is the **I/O expansion solution** developed by CRE Technology for its controllers. Each module combines the power supply, the CANopen communication interface, and I/O functions in a **compact format**. This all-in-one design simplifies wiring, reduces installation time, and ensures high reliability in the field.

Equipped with **PUSH-IN** terminals, CANX modules provide fast and secure connections.

With up to **8 I/O points per module** and the ability to **connect up to 4 modules per controller**, the CANX range offers great flexibility to meet the needs of many industrial applications.

Advantages :

- For our two modules, the 8 digital inputs are bidirectional
- Possibility to select either relay output or digital output.
- It features an expanded power supply range of 18-36VDC with voltage dip management, ensuring reliable operation even in challenging environments.



PART NUMBER	DESCRIPTION
CANX D88	8DI8DO (Input Bidirectional Output PNP)
CANX D8R8	8DI8DO (Input Bidirectional Relay Output)

KEY FEATURES

➔ PUSH-IN Terminals

Quick and secure connections with straight push-in terminals, reducing on-site installation time.

➔ Protocol Communication

Supports industrial protocols: CANopen

➔ DIN35 Rail Mounting

Designed for easy and standardized installation on DIN35 guide rails.

➔ Compact Size

Optimized dimensions (100 x 88.8 mm) for easy integration in electrical cabinets with minimal space requirements.

➔ Stable Communication

Reliable data transmission with no packet loss, ensuring continuous industrial operations.

SPECIFICATIONS

		CANX D88	CANX D8R8
COMMUNICATION BUS			
Bus Protocol		CANopen	CANopen
Interface Port Type		Wiring Terminal	Wiring Terminal
Interface Port Mode		Shielded twisted pair	Shielded twisted pair
Communication Rate		10~1000kb/s	10~1000kb/s
Communication Distance		5000m(Max.)	5000m(Max.)
Electrical Isolation		Yes	Yes
I/O INTERFACE PORT PARAMETER			
Input Signal	Signal Type	PNP & NPN Compatible	PNP & NPN Compatible
	NPN Signal Electrical Level	0 ~ 5V	0 ~ 5V
	PNP Signal Electrical Level	15 ~ 30V	15 ~ 30V
	Single-channel Current Consumption	5mA	5mA
	Port Protection	Over-voltage Shock Protection	Over-voltage Shock Protection
	Electrical Isolation	AC 500V	AC 500V





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Output Signal	Signal Type	Transistor (PNP)	Relay
	Rated Electrical	24V(18 ~ 36V)	250VAC/30VDC
	Single-channel Rated Current	Max.0.5A (Total Output Current of 8 Channels at the same time : 2A)	5A
	Port Protection	Over-voltage and Over-current Protection	Over-voltage and Over-current Protection
	Electrical Isolation	500VAC	500VAC
POWER SUPPLY PARAMETER			
Rated Input Voltage		24VDC(18 ~ 36V)*	24VDC(18 ~ 36V)*
Current Consumption		38mA	38mA
SELECTOR			
CANBus Rate		1 selector	1 selector
CANBus ID Adress		2 selectors (1 to 99)	2 selectors (1 to 99)
INDICATOR, ALARM, DEFINITION			
Run Indicator		Green RUN LED Light	Green RUN LED Light
Power Supply Indicator		Green PWR LED Light	Green PWR LED Light
Error		Red BF, ERR LED Light	Red BF, ERR LED Light
GENERAL PARAMETER			
Protection Grade		IP20	IP20
Temperature Range		Working Temperature : -10 ~ 60°C Storing Temperature : -25 ~ 85°C	Working Temperature : -10 ~ 60°C Storing Temperature : -25 ~ 85°C

*If 12 VDC Input Voltage needed, please contact CRE Technology.

CANBUS RATE SELECTOR

SETTING NUMBER	BAUD RATE SPEED
0	10 kb/s
1	20 kb/s
2	50 kb/s
3	100 kb/s
4	125 kb/s
5	250 kb/s
6	500 kb/s
7	1000 kb/s

RELATED PRODUCTS

PRODUCTS	
DC0324	DC/DC converter 60W, Vin= 9 to 36 VDC, Vout= 24 VDC
DC0524-12	DC/DC converter 120W, Vin= 9 to 18 VDC, Vout= 24 VDC
A40W4	Shielded cable for CAN, RS485 communication
A56-AMF	AMF COMPACT
A56-MAINS	GENSYS COMPACT MAINS
A56-PRIME	GENSYS COMPACT PRIME
A56-MAST	MASTER COMPACT
A56-MAS1B	MASTER COMPACT 1B
A56-PV	HYBRID COMPACT
A56-BAT	BAT COMPACT
A56-BTB	BTB COMPACT

