WAGO CAN base digital/analog extension cards

Clemens - 2026-09-16 - expasion cards

easYgen-3000XT is supporting 3rd party Wago digital and analog CANopen based I/O cards

Youtube Tutorial

https://youtu.be/sEn39D9z2TQ?list=PLW55kmXY0fHCoZptLxzCvzmB5POGRbfYK





WAGO ...	
Field bus coupler for CAN	**Interface/Connector**
750-337 (MCS)	Terminals/clamps
750-338 (SUB-D)	SUB-D

WAGO Analog Inputs (2 x AI or 4 x AI)				
Type	**P/N two channel version**	**P/N four channel version**	**"Wire break" detection**	**TYPE: Settings**
(SE = Single ended, Diff = Differential)				
Pt100	750-461	750-460/0001	T >849 °C: Overrun T < -200 °C: Underrun	Pt DIN(R0) Sender type: R0 = 100
Pt 1000	750-461/0003	750-460/0003	T >849 °C: Overrun T < -200 °C: Underrun	Pt DIN(R0) Sender type: R0 = 1000
Ni 100	750-461/0004		T >250 °C: Overrun T < -60 °C: Underrun	Ni DIN(R0) Sender type: R0 = 100
Ni 1000 TK6180	750-461/0005		T >250 °C Overrun T < -60 °C: Underrun	Ni DIN(R0) Sender type: R0 = 100
10-1200	750-461/000-002		no	Linear or table Sender type: 0-1200 Ohm
10-5000 Ohms	750-461/000-007		no	Linear or table Sender type: 0-5000 Ohms
4-20 mA (SE)	750-466	750-455	Underrun	Linear or table Sender type: 4-20 mA
0-20 mA (SE)	750-465	750-453	no	Linear or table Sender type: 0-20 mA
0-20 mA (Diff)	750-452		no	Linear or table Sender type: 0-20 mA
4-20 mA (Diff)	750-454		Underrun	Linear or table Sender type: 4-20 mA
+/-10 V (Diff)	750-456		no	Linear or table Sender type: +/-10 V
0-10 V (SE)	750-467	750-468	no	Linear or table Sender type: 0..10 V

WAGO Analog Inputs (2 x AI or 4 x AI)				
Type	**P/N two channel version**	**P/N four channel version**	**"Wire break" detection**	**TYPE: Settings**
Thermocouple (K, T, J, E, S, L)	750-469xxx (standard format)		Overrun Underrun: (approx. -49.8 °C)	TC Type x Sender type: Thermocouple **Notes** If adjustable variant (750-469/003-000) is used: use “Wago-I/O-CHECK” to adjust (default Type is “K”). For details refer to “Configurable WAGO devices”
+/- 120 mV	750-469/000-003		no	Linear or table Sender type: Thermocouple

WAGO Analog Inputs (8 x AI)			
Type	**P/N eight channel version**	**"Wire break" detection**	**TYPE: Settings**
RTD	750-451	depends on the configured type	TYPE and Sender type: according to the type configured by “Wago-I/O-CHECK” Use “Wago-I/O-CHECK ” to configure the different channels (Default type is PT100). For details refer to “Configurable WAGO devices”.
0/4 – 20 mA	750-496	4-20 mA: Underrun 0-20 mA: no detection	TYPE: Linear or table Sender type: 4-20 mA or 0-20 mA Use “Wago-I/O-CHECK ” to configure the different channels (Default type is 4-20 mA). For details refer to “Configurable WAGO devices”.
Thermocouple	750-458	Overrun Underrun (approx. -49.8 °C)	TYPE: depends on the configured type Sender type: depends on the configured type Note: if adjustable variant (750-469/003-000) is used use “Wago-I/O-CHECK ” to adjust (Default type is K). For details refer to “Configurable WAGO devices”.

WAGO Analog Outputs (2 x AO or 4 x AO)				
Type	**P/N two channel version**	**P/N four channel version**	**Comments**	**Settings**
0-20 mA	750-552	750-553		Selected hardware type = mA
0-10 V	750-560, [10 bit (100 mW)] 750-550	750-559		Selected hardware type = "V"

WAGO Digital Inputs/Outputs (2 ... 16 x DI/DO)				
# of DIs	2 x DI	4 x DI	8 X DI	16 X DI
P/N	750-400	750-402	750-430	750-1405
# of DOs	2 x DO	4 x DO	8 X DO	16 X DO
P/N	750-501	750-504	750-530	750-1504



There is a maximum of 16 WAGO analog inputs and up to 4 WAGO analog outputs with up to 32 WAGO digital inputs and 32 WAGO digital outputs or up to 4 IKDs.

For all configurations with WAGO devices at least one WAGO CANopen fieldbus coupler 750-337 is required!

As well make sure that the WAGO I/O card combinations are supported by easYgen-3000XT

See 4.7.4.2.1 Expansion Modules at CANopen Interface easYgen-3200XT manual