

EDX-200A-2H/4H/4T Option Cards



ECAN-40A

ETIM-40A

EGPC-40A

The option cards for EDX-200A which can measure CAN data and GPS information

- Measure CAN data and GPS information without reducing the number of analog channels
- No drop in analog-channel sampling frequencies
- With 8-bit digital I/O

Conditioner-card slots for analog input Optional slot



Equipped on EDX-200A-4H

■ Multichannel CAN Card ECAN-40A

- CAN input of up to 512 channels
- Capable of CAN data output
- CANdb-compatible, with software DCS-105A to read CANdb files.

With this card installed in the optional slot, CAN input of up to 512 channels can be added without sacrificing the number of analog input channels

Specifications

Applicable Models	EDX-200A-4H EDX-200A-2H, EDX-200A-4T* (Installed in optional slot) *For EDX-200A-4T, please use ECAN-40AM72.
CAN Ports	2
Channels	Up to 512 channels (Total for 2 ports)
Compatible CAN Input Channels	Compatible with Bosch2.0A/B active (ISO-11898 compliant)
Baud Rates	High speed CAN 1000, 800, 500, 250, 125, 100, 83.3, 62.5, 50, 33.3, 25, and 10 [kbps] Low speed CAN 125, 100, 83.3, 62.5, 50, 33.3, 25, and 10 [kbps]
CAN Data Output	Output at start: Output any given CAN data when measurement starts Output at stop: Output any given CAN data when measurement stops Manual output: Output any given CAN data at an arbitrary timing. Interval output: Output any given CAN data in a predetermined fixed cycle.



Digital I/O	
I/O Points	Up to 8 points
I/O Settings	Switch among digital input, digital output and remote-controlled input for each bit (Common applied to all). Remote-controlled input: Measurement is started or stopped, BAL is executed, etc.
Input Type	Isolation type, TTL level input
Input Voltage	Max. 5 VDC
Isolation Methods	Digital isolator
Output Type	Isolation type, open collector type output (With 10 kΩ internal pull-up resistors)
Output Voltage	5 VDC
Output Current	25 mA max. (Per point)
Isolation Methods	Digital isolator
Connector type	CAN port D-sub connector (Male) 9-pin Digital I/O port MDR connector (Female) 14-pin
Operation Temperature	0 to 50°C, ECAN-40AM72 is -20 to 65°C
Operation Humidity	20 to 90%RH (Non-condensing)
Storage Temperature	-20 to 60°C, ECAN-40AM72 is -30 to 70°C
Dimensions	22.0 W x 128.0 H x 221.5 D mm
Weight	Approx. 170 g

Standard Accessories

Option software for DCS-100A DCS-105A
Connector plug for digital I/O ports / shell case. 1 piece each

■ Time synchronization card ETIM-40A

- Enable synchronized interval measurement between EDX-200As remotely-placed EDX-200A by receiving clock data from GPS satellite.
- GPS sensor (Standard Accessory)

ETIM-40A inserted to the optional slot enables synchronous interval measurement among multiple units of EDX-200A based on clock data of GPS satellite. GPS data including position data, too can be acquired.

Specifications

Applicable Models	EDX-200A-4H, EDX-200A-2H, and EDX-200A-4T (Installed in the option slot) For EDX-200A-4T, please use ETIM-40AM72.
Digital I/O	
I/O Points	Max. 8
I/O Settings	Switch among digital input, digital output and Remote-controlled input for each bit (Common applied to all). * Remote-controlled input: Measurement is started or stopped, BAL is executed, etc.
Input Type	Isolation type, TTL level input
Input Voltage	Max. 5 VDC
Output Type	Isolation type (Digital isolator), Open collector type output (With 10 kΩ internal pull-up resistors)
Output Voltage	5 VDC
Output Current	25 mA max. (Per point)
Isolation Methods	Digital isolator
Connector Type	CAN port D-sub connector (Male) 9-pin Digital I/O port MDR connector (Female) 14-pin
Operation Temperature	0 to 50 °C ETIM-40AM72 is -20 to 65°C
Operation Humidity	20 to 90%RH (Non-condensing)
Storage Temperature	-20 to 60 °C ETIM-40AM72 is -30 to 70°C
Dimensions	22.0 W x 128.0 H x 221.5 D mm
Weight	Approx. 160 g

Standard Accessories

GPS sensor (Cable length: 5 m)
Connector plug for digital I/O ports / shell case 1 piece each

■ GPS/Multichannel CAN Card EGPC-40A

- Simultaneous acquisition of GPS & CAN data (Up to 512 channels)
- GPS data acquisition without using a PC

EGPC-40A inserted to the optional slot enables simultaneous acquisition of CAN and GPS data or synchronous start of multiple units of EDX-200A.

Specifications

Applicable Models	EDX-200A-4H EDX-200A-2H, and EDX-200A-4T (Installed in optional slot) For EDX-200A-4T, please use EGPC-40AM72.
Channels	Up to 512 channels
Compatible CAN Versions	Compatible with CAN 2.0A/B (ISO-11898 compliant)
Baud Rates	High speed CAN 1000, 800, 500, 250, 125, 100, 83.3, 62.5, 50, 33.3, 25, and 10 [kbps] Low speed CAN 125, 100, 83.3, 62.5, 50, 33.3, 25, and 10 [kbps]
CAN Data Output	
	Output at start: Output any given CAN data when measurement starts
	Output at stop: Output any given CAN data when measurement stops
	Manual output: Output any given CAN data at an arbitrary timing.
	Interval output: Output any given CAN data in a predetermined fixed cycle.
Digital I/O	
I/O Points	Up to 8 points
I/O Settings	Switch among digital input, digital output and remote-controlled input for each bit (Common applied to all). Remote-controlled input: Measurement is started or stopped, BAL is executed, etc.
Input Type	Isolation type (Digital isolator), TTL level input
Input Voltage	Max. 5 VDC
Isolation Methods	Digital isolator
Output Type	Isolation type (Digital isolator), Open collector type output (With 10 kΩ internal pull-up resistors)
Output Voltage	5 VDC
Output Current	25 mA max. (Per point)
Isolation Method	Digital isolator
Operation Temperature	0 to 50 °C EGPC-40AM72 is -20 to 65°C
Operation Humidity	20 to 90%RH (Non-condensing)
Storage Temperature	-20 to 60 °C EGPC-40AM72 is -30 to 70°C
Dimensions	22.0 W x 128.0 H x 221.5 D mm
Weight	Approx. 170 g

Standard Accessories

GPS sensor (Cable length: 5 m)
Option software for DCS-100A DCS-105A
Connector plug for digital I/O ports / shell case 1 piece each

