



ECAT-2614C

EtherCAT SubDevice to CANOpen Gateway

Features

- Powerful MCU handles efficient network traffic
- 2 x RJ-45 EtherCAT connectors
- Integrate CANopen device to EtherCAT
- Allows system integrators to retro-fit older automation devices into modern EtherCAT communication structures
- Requires no hardware or software changes to be made to the connected device
- Compatible with all PLCs with EtherCAT support
- Performs complete serial protocol conversion, no PLC function blocks required
- Supports maximum 256 WORD Input and 256 WORD Output Data
- Supports CAN interface
 - CANOpen Version: DS-301 v4.02
 - Device Profile: DS-301 v2.1
 - Supports maximum Baud Rate 1M bps



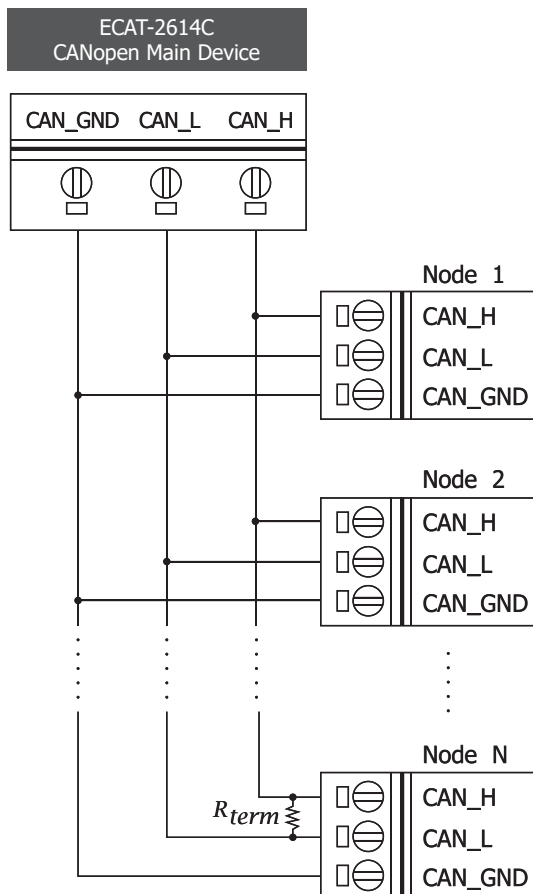
Introduction

Integrate your serial CAN based industrial devices and equipment to an EtherCAT control system without the need for any changes to the device. Just connect, configure and it's finished.

The ECAT-2614C Communicator is a proven and trusted protocol converter gateway that connects non-networked industrial devices and equipment to EtherCAT. The gateway performs an intelligent protocol conversion and presents the serial data to the Main Device PLC/Controller as easily processed I/O data.

* EtherCAT® is registered trademark and patented technology, licensed by Beckhoff Automation GmbH, Germany.

Wire Connections



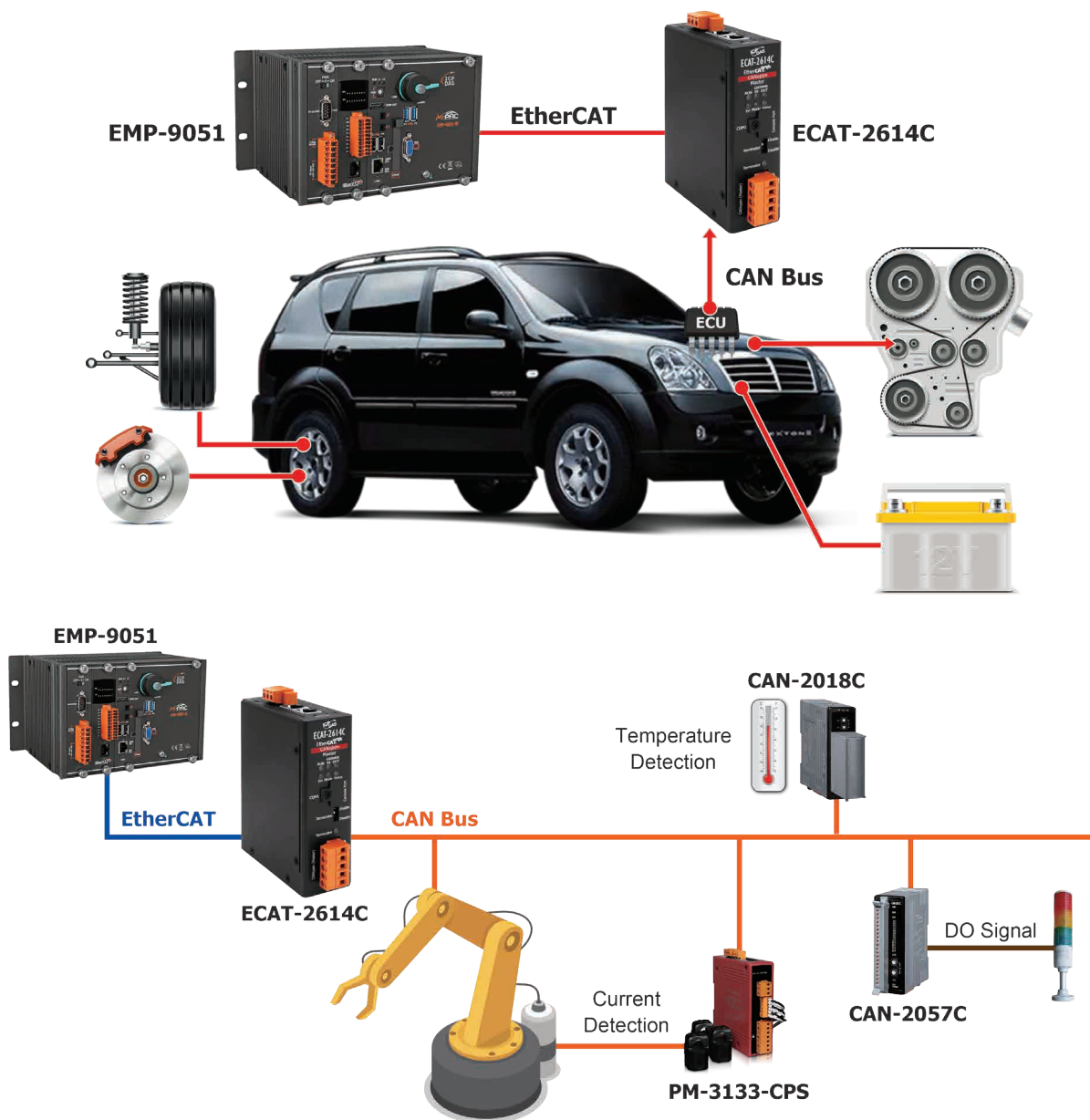
Specifications

Communication	
Protocol	CANopen (Main Device)
Ports	1
Baud Rate	20 k ~ 1 M bps
Isolation	3000 VDC for DC-to-DC, 2500 Vrms for photocoupler
Terminal Resistor	Built-in 120Ω
Connector	5-pin screw terminal (CAN_L, CAN_SHLD, CAN_H, other pins are left open)
Filter	Yes
EtherCAT	
Ports	RJ-45 x 1 Max. Distance between Stations: 100 m (100BASE-TX) Data Transfer Medium: Ethernet/EtherCAT Cable (Min. CAT 5e)
Power	
Input Range	+12 ~ +48 VDC
Power Consumption	0.1 A @ 24 VDC
Protection	Power reverse polarity protection
Connector	3-pin Removable Terminal Block (5.08 mm)
Mechanical	
Dimensions (W x L x H)	110 mm x 90 mm x 33 mm
Installation	DIN-Rail Mounting
Environmental	
Operating Temperature	-25 to +75°C
Storage Temperature	-30 to +80°C
Humidity	10 to 90% RH, Non-condensing

Pin Assignments

COM1 (Console Port)				CANopen (Main Device)		EtherCAT Interface	
Pin Assignment	Terminal	No.	Pin Assignment	Terminal No.	Pin Assignment	Terminal No.	Pin Assignment
N/A	01	06	N/A	CANopen (Master)	N/A		
RxD	02	07	N/A		CAN_H		F.G.
TxD	03	08	N/A		FGND		GND(-)
N/A	04	09	N/A		CAN_L		PWR(+)
GND	05				CAN_GND		
							IN
							OUT

Applications



Ordering Information

ECAT-2614C CR	EtherCAT SubDevice to CANopen Gateway (RoHS)
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