



## Features

- Powerful MCU handles efficient network traffic
- 2 x RJ-45 bus interface
- Integrate RS-232/422/485 serial 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 maximum Baud Rate 115200 bps
- RoHS compliant



## Introduction

Integrate your serial RS-232/422/485 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-2610 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 Master PLC/Controller as easily processed I/O data.

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

## Hardware Specifications

Protocol		
EtherCAT		
Communication Interface		
RJ-45 Port		RJ-45 x 1 Distance between Stations: Max. 100 m (100BASE-TX) Data Transfer Medium: Ethernet/ EtherCAT Cable (Min. CAT 5e)
Serial Interface	RS-232	The RS-232, RS-422 and RS-485 cannot be used simultaneously ▶ TxD, RxD, GND ▶ TxD+, TxD-, RxD+, RxD- ▶ Data+, Data-
	RS-422	
	RS-485	
Power		
Input Voltage 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 (H x W x D)		110 mm x 90 mm x 33 mm
Installation		DIN-Rail Mounting
Environment		
Operating Temperature		-25 ~ +75°C
Storage Temperature		-30 ~ +80°C
Relative Humidity		10 ~ 90% RH, Non-condensing

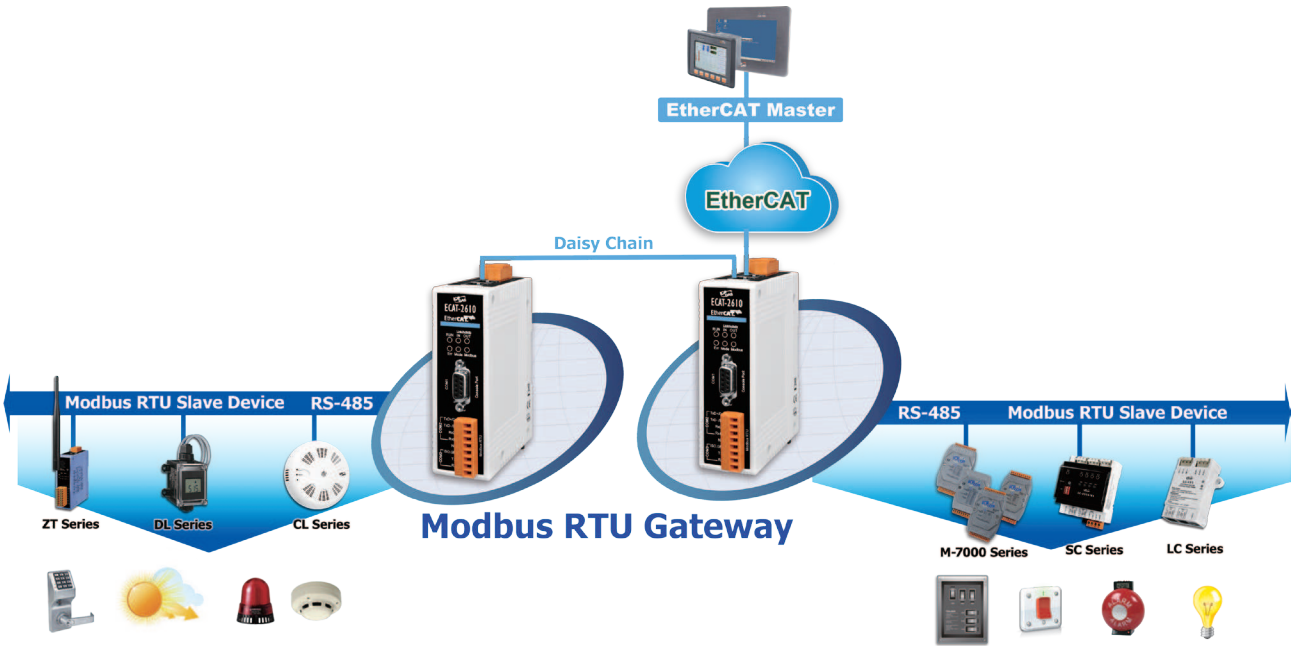
Pin Assignments

COM1 (Console Port)			
Pin Assignment	Terminal	No.	Pin Assignment
--	01	06	--
RxD	02	07	--
TxD	03	08	--
--	04	09	--
GND	05		

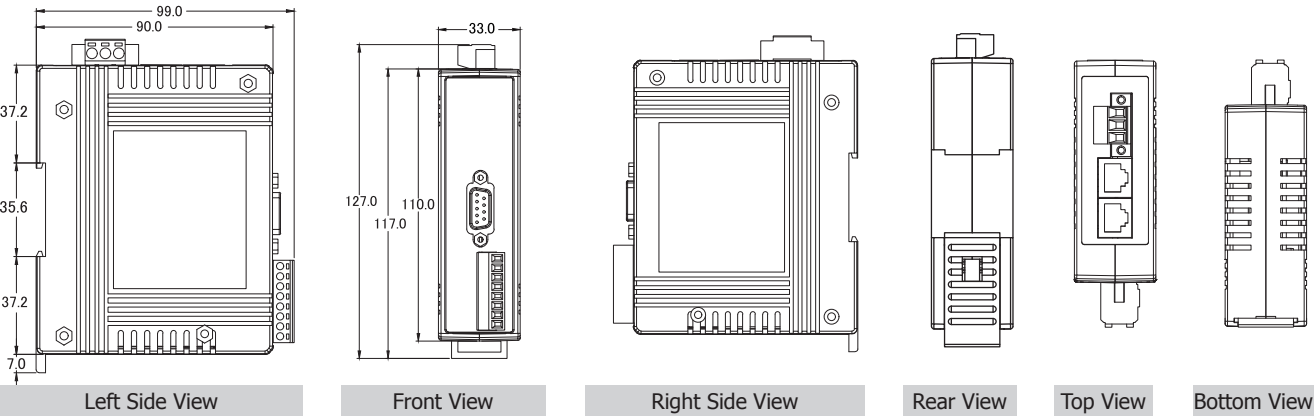
COM2/COM3 (Modbus RTU)	
Terminal No.	Pin Assignment
COM2	TxD+/D+
	TxD-/D-
	RxD+
	RxD-
COM3	N/A
	ISO.GND
	TxD
	RxD

EtherCAT Interface	
Terminal No.	Pin Assignment
1	F.G.
	GND(-)
	PWR(+)
2	IN
	OUT

Applications



Dimensions (Units: mm)



Ordering Information

ECAT-2610 CR	EtherCAT to Modbus RTU Gateway (RoHS)
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ECAT-2610