ECAT-2610-DW

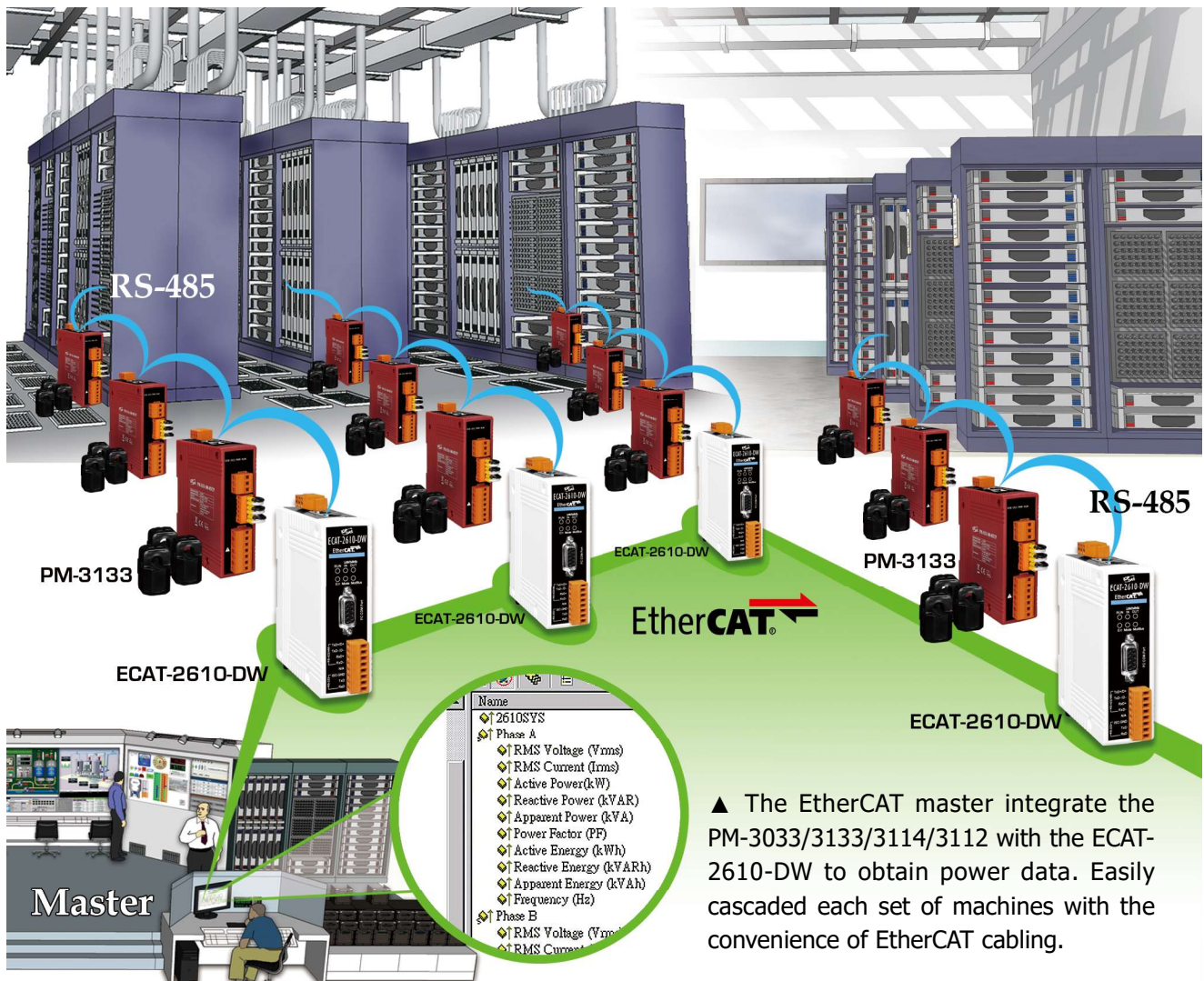EtherCAT to Modbus RTU and Power Meter Gateway

Features

- Supports maximum 128 Input and Output Data
- Supports maximum 6 connection for PM-3033/3133
- 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
- Supports blended to other Modbus slave
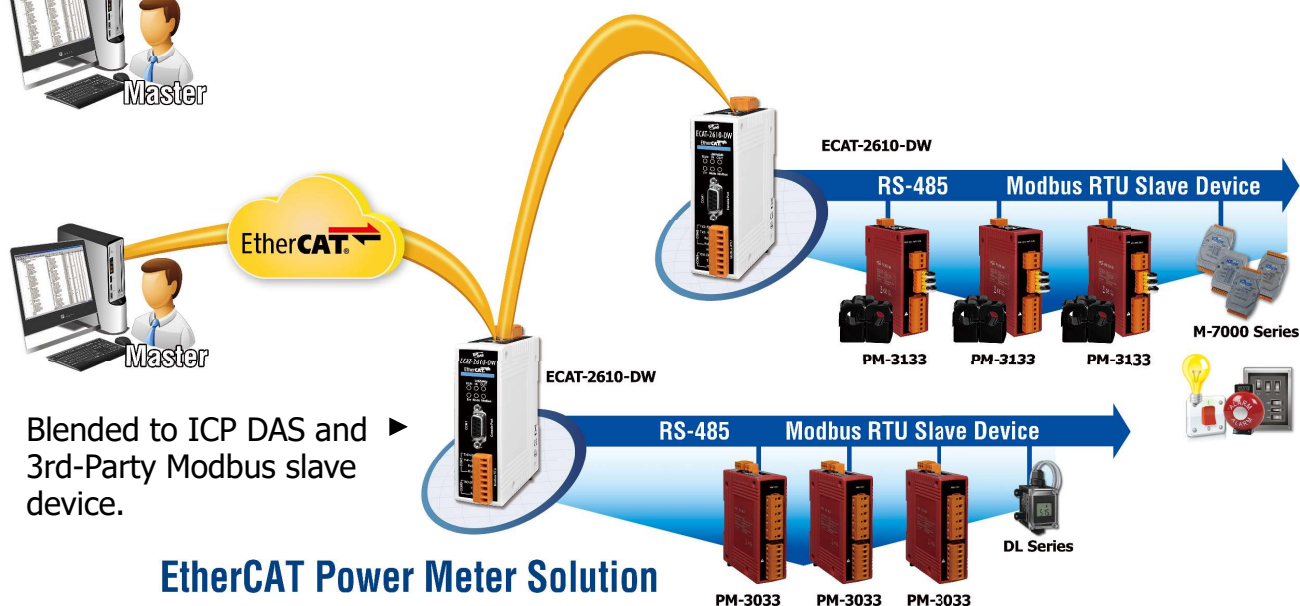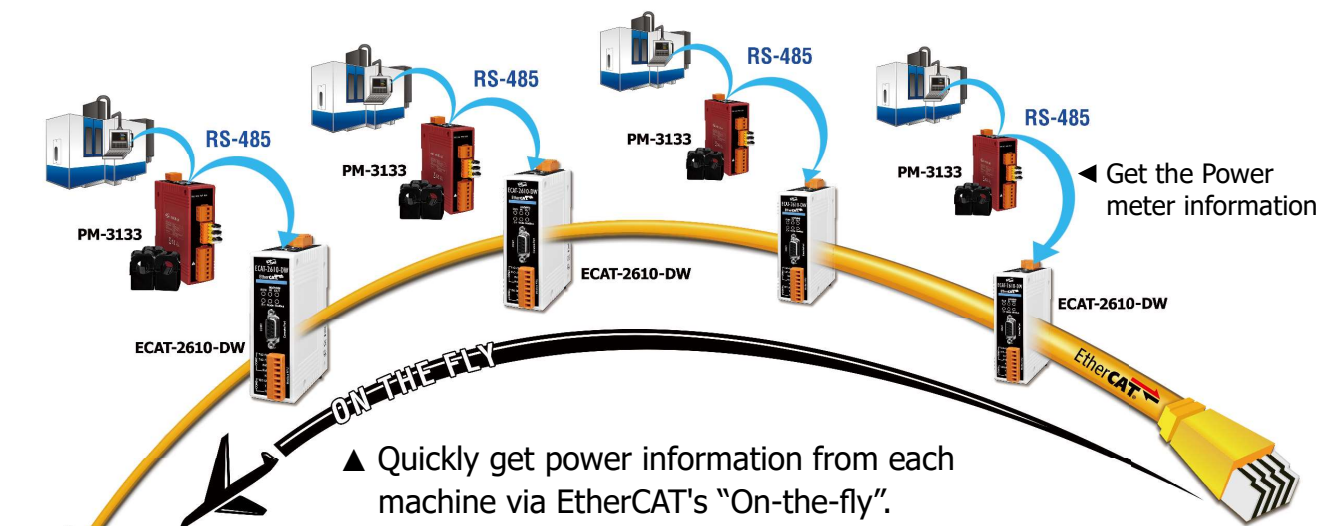- Supports maximum Baud Rate 115200 bps

CE FC RoHS

Introduction

ECAT-2610-DW has EtherCAT to Modbus RTU gateway function, and integrate power meter slave devices such as PM-3033/3133/3114/3112 into EtherCAT control system through the special configuration file that provided by ICP DAS. And very easy to install and configure. The EtherCAT master can access RxPDO and TxPDO to connect multiple power meter slave devices such as PM-3033/3133/3114/3112. It can achieve a more diversified energy management program.

Applications

RS-485

PM-3133

ECAT-2610-DW

ECAT-2610-DW

EtherCAT

RS-485

PM-3133

ECAT-2610-DW

ECAT-2610-DW

Master

Name
- 2610SYS
- Phase A
  - RMS Voltage (Vrms)
  - RMS Current (Irms)
  - Active Power(kW)
  - Reactive Power (kVAR)
  - Apparent Power (kVA)
  - Power Factor (PF)
  - Active Energy (kWh)
  - Reactive Energy (kVARh)
  - Apparent Energy (kVAh)
  - Frequency (Hz)
- Phase B
  - RMS Voltage (Vrms)
  - RMS Current

▲ The EtherCAT master integrate the PM-3033/3133/3114/3112 with the ECAT-2610-DW to obtain power data. Easily cascaded each set of machines with the convenience of EtherCAT cabling.

▲ Use ICP DAS to provide dedicated ESI files to display power information.

▲ Quickly get power information from each machine via EtherCAT's "On-the-fly".

◀ Get the Power meter information

Blended to ICP DAS and ▶ 3rd-Party Modbus slave device.

EtherCAT Power Meter Solution

📁 System Specifications

Protocol	
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
Serial Interface — RS-422	■ TxD+, TxD-, RxD+, RxD-
Serial Interface — RS-485	■ Data+, Data-

📁 Ordering Information

ECAT-2610-DW CR	EtherCAT to Modbus RTU and Power Meter Gateway (RoHS)