EPS Series

EtherCAT Slave System



Features

- Compatible with certified 3rd party EtherCAT master
- Comprehensive slave modules including high-density digital I/O, analog I/O, thermal measurement, and motion control modules
- Supports EtherCAT COE, FOE protocols
- Compliance with industrial IEC standard
- Provides ADS (Automatic Detection System) from ADLINK Configurator Software, for easy recognition across Ether CAT systems.
- Intelligent monitoring status for EPS modules and system
- Hot-swappable function to reduce MTTR
- Operating temperatures from -20°C - 60°C

Introduction

ADLINK's EPS slave system features modular design for flexible high channel density, rugged construction, easy maintenance, and intelligent performance, compatible with 3rd party EtherCAT products. Precise time-deterministic control enables I/O synchronization for critical applications, and FPGA and ARM technology allow users to fully monitor status of EPS modules and systems, including operating temperature and usage cycle of relay switching, as well as motion control status for general purpose motor drive control. In addition, the ADLINK EtherCAT configurator enables auto-scan and configuration across EtherCAT systems.

The EPS' unique structural and electronic design supports hot-swappable function, reducing repair time, and the rugged construction and operating temperature range of -20°C to 60°C allow operation in the harshest environments.

EPS-9905 with EPS-6000

EtherCAT Chassis with EtherCAT Bus-Coupler



EPS-9905

EPS-6000

Specifications

Operating Temp.	-20 - 60 °C
Installed Slots (max.)	5
Protection Type	IP31
Dimension (mm)	130 (L) x 110 (W) x 105 (H)
Weight (estimated)	< 1,000 gram
Extension	EtherCAT
Power Consumption	6.6W
Supply voltage	24Vdc (±10%)
Environment Certificate	Vibration: 5 Grms, 5-500Hz
	Shock: 50G, Half Sine 11 ms duration
	EMC: EN 55011 class A

Features

- EtherCAT COE, FOE, AOE protocols supported
- Communication quality diagnostic
- Slave module status monitoring
- Wide operation temperature range: -20°C - 60°C
- Compact size: 130 (L) x 110 (W) x 105 (H) mm
- SMART mechanical design for convenient installation
- IEC-61131 compliant

Ordering Information

EPS-9905
Chassis of remote slave module

EPS-6000
EtherCAT Bus Coupler

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