EU series

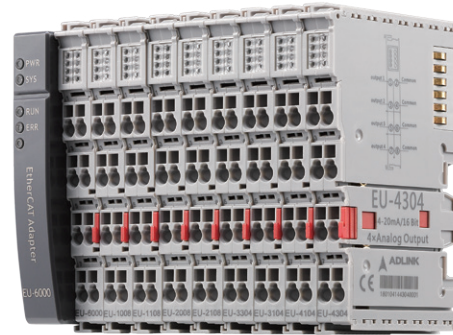## *EtherCAT Slave System*

Features

- Compliance with EtherCAT standard
- Optimization with ADLINK EtherCAT master (250us cycle time)
- Comprehensive slave modules including digital I/O, analog I/O, coupler, power supply and terminal shield
- Compliance with industrial IEC standard
- Excellent scalability powered by modularized and slice-type design
- Compact Size: 100mm × 69mm × 63mm (each module)

Introduction

The ADLINK complete EtherCAT solution, from hardware to middleware to software, with every element tailored for dedicated EtherCAT functionality, includes Talos master controllers, EU & EPS slave systems, and remote monitoring and control providers. As well, ADLINK's Softmotion one-stop control kernel delivers flexible and easy-to-use intelligent platforms for driving next-generation modern Smart Factories.

ADLINK's EU slave system brings the powerful flexibility to EtherCAT environments. State-of-the-art modular construction allows the EtherCAT slave to be configured to fulfill the needs of both small local applications and expansive distributed platforms.

The EU system incorporates and controls nearly any type of I/O devices. Uniquely designed for full operability in conditions from 0°C to 55°C, the EU slave system is also fully compliant with the EN 61131-2 standard for shock and vibration and EN 61000-6 for heavy industrial EMC protection, as well as emission certificate.

Ordering Information

- **EU-6000**
  EtherCAT Bus Coupler
- **EU-1008**
  8-CH Sinking Digital Input EtherCAT Module
- **EU-1108**
  8-CH Sourcing Digital Input EtherCAT Module
- **EU-2008**
  8-CH Sourcing Digital Output EtherCAT Module
- **EU-2108**
  8-CH Sinking Digital Output EtherCAT Module
- **EU-3104**
  4-CH 0~10V Analog Input EtherCAT Module
- **EU-3304**
  4-CH 4~20mA Analog Input EtherCAT Module
- **EU-4104**
  4-CH 0~10V Analog Output EtherCAT Module
- **EU-4304**
  4-CH 4~20mA Analog Output EtherCAT Module
- **EU-0200**
  1A Power Supply Module
- **EU-0012**
  End Terminal Module

Specifications

Network	EU-6000
Type	EtherCAT Bus Coupler
System Power Input	24 VDC (18~36V)
DC Power Output	5 VDC / 670mA
I/O Power Input	24 VDC (±20 %)
Slave supported	32
PDO (Input/Output)	1024 Byte / 1024 Byte
Operation Temp.	0-55℃
Certification	CE
Dimension	100mm × 69mm × 63mm

Network	EU-1008	EU-1108	EU-2008	EU-2108
I/O Type	Digital Input	Digital Input	Digital Output	Digital Output
Channel	8	8	8	8
Input/Output Type	Sourcing	Sinking	Sourcing	Sinking
Input Voltage/Current	24 VDC (±20%), 3mA	0 VDC (±3V), 3mA	24 VDC ±20%)	0 VDC (±3V)
Output Current	-	-	500mA/CH	500mA/CH
Isolation Protection	500 VDC			
Operation Temp.	0-55℃			
Dimension	100mm × 68mm × 15mm			

Network	EU-3104	EU-3304	EU-4104	EU-4304	EU-0012
I/O Type	Analog Input	Analog Input	Analog Output	Analog Output	Power Supply
Channel	4	4	4	4	1
Input/Output Voltage/Current	0-10V	4-20mA	0-10V	4-20mA	24 VDC / 5 VDC
Accuracy	16 bit, 0.02%	16 bit, 0.02%	16 bit, 0.02%	16 bit, 0.02%	-
Input Impedance	>500KΩ	100Ω	-	-	-
Load	-	-	>5KΩ	<300Ω	1,000mA
Isolation Protection	500 VDC (DGND vs. AGND)				-
Operation Temp.	0-55℃				
Dimension	100mm × 68mm × 15mm				94mm × 68mm × 15mm

ADLINK
Leading EDGE COMPUTING