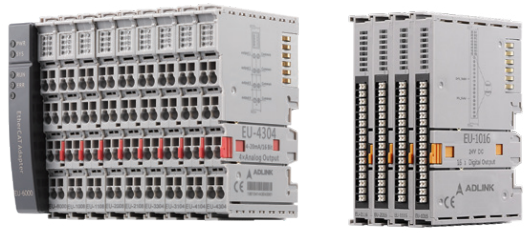
# EU series

*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



## 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 Sourcing Digital Input EtherCAT Module
- **EU-1016**
  16-CH Sourcing Digital Input EtherCAT Module
- **EU-1108**
  8-CH Sinking Digital Input EtherCAT Module
- **EU-1116**
  16-CH Sinking Digital Input EtherCAT Module
- **EU-2008**
  8-CH Sourcing Digital Output EtherCAT Module
- **EU-2016**
  16-CH Sourcing Digital Output EtherCAT Module
- **EU-2108**
  8-CH Sinking Digital Output EtherCAT Module
- **EU-2116**
  16-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-0012**
  1A Power Supply Module
- **EU-0200**
  End Terminal Module

# Specifications

| Model Name | EU-6000 |
|---|---|
| Type | EtherCAT Bus Coupler |
| System Power Input | 24 VDC (18~36V) |
| DC Power Output | 5 VDC / 670mA |
| Slave supported | 32 |
| Storage Temperature | -25°C to +85°C |
| Operation Temp. | 0°C to 55°C |
| Humidity | 95% none-condensing |
| Certification | CE |
| Dimension | 99.62mm x 69.62mm x 66.38mm |

| Model Name | EU-1008 | EU-1108 | EU-1016 | EU-1116 |
|---|---|---|---|---|
| I/O Type | Digital Input | Digital Input | Digital Input | Digital Input |
| Channel | 8 | 8 | 16 | 16 |
| Input/Output Type | Sourcing | Sinking | Sourcing | Sinking |
| Power Consumption | 25mA | | | |
| Logic0 Voltage | 15 to 30V | -3 to 3V | 15 to 30V | -3 to 3V |
| Logic1 Voltage | -3 to 3V | 15 to 30V | -3 to 3V | 15 to 30V |
| Input Current | 3mA | | | |
| Isolation Protection | 500 VDC | | | |
| Operation Temp. | 0°C to 55°C | | | |
| Certification | CE | | | |
| Dimension | 99.62mm x 69.62mm x 18.64mm | | | |

| Model Name | EU-2008 | EU-2108 | EU-2016 | EU-2116 |
|---|---|---|---|---|
| I/O Type | Digital Output | Digital Output | Digital Output | Digital Output |
| Channel | 8 | 8 | 16 | 16 |
| Input/Output Type | Sourcing | Sinking | Sourcing | Sinking |
| Power Consumption | 66mA | | | |
| Output Voltage | 24 VDC (±20%) | 0 VDC (±3V) | 24 VDC (±20%) | 0 VDC (±3V) |
| Output Current | 500mA/CH | | | |
| Isolation Protection | 500 VDC | | | |
| Operation Temp. | 0°C to 55°C | | | |
| Certification | CE | | | |
| Dimension | 100mm x 69.65mm x 14.80mm | | | |

| Model Name | EU-3104 | EU-3304 | EU-4104 | EU-4304 | EU-0012 | EU-0200 |
|---|---|---|---|---|---|---|
| I/O Type | Analog Input | Analog Input | Analog Output | Analog Output | Power Supply | End terminal |
| Channel | 4 | 4 | 4 | 4 | 1 | - |
| Input/Output Voltage/Current | 0-10V | 4-20mA | 0-10V | 4-20mA | 24 VDC / 5 VDC | - |
| Power Consumption | 210mA | 260mA | 230mA | 280mA | - | - |
| 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 | | | | - | - |
| Operation Temp. | 0°C to 55°C | | | | | |
| Certification | CE | | | | | |
| Dimension | 99.62mm x 69.62mm x 18.64mm | | | | | 99.2mm x 27.5mm x 2.2mm |

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