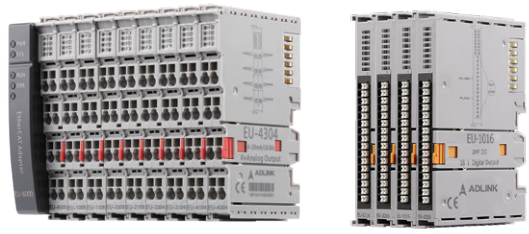
EU series

EtherCAT SubDevice System

Features

- Compliance with EtherCAT standard
- Optimization with ADLINK EtherCAT MainDevice (250us cycle time)
- Comprehensive SubDevice 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 MainDevice controllers, EU & EPS SubDevice 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 SubDevice system brings the powerful flexibility to EtherCAT environments. State-of-the-art modular construction allows the EtherCAT SubDevice 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 SubDevice 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

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Specifications

Model Name	EU-6000
Type	EtherCAT Bus Coupler
System Power Input	24 VDC (18~36V)
DC Power Output	5 VDC / 670mA
SubDevice 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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