

## Item # AZD-KEP, AZ Series EtherNet/IP™ Compatible Driver (24/48 VDC)



*αSTEP*

AZ Series DC input Stored Data drivers now comes with EtherNet/IP™ communications for a battery-free, absolute mechanical sensor motor and driver solution. For use with all Oriental Motor AZ Series motors and linear & rotary actuators equipped with

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### Specifications

#### Lead Time<sup>1</sup>

Contact your local sales office for product lead-times, available to ship dates and shipping methods.

#### Driver Type

EtherNet/IP Compatible

#### Power Supply

24/48 VDC

#### Control Power Supply

24 VDC ±5%, 0.25 A (0.5 A for Electromagnetic Brake)

#### Interface - Pulse Input

2 points, Photocoupler  
Maximum input pulse frequency  
Scanner provides line driver output: 1 MHz (50% duty) Scanner provides open collector output: 250 kHz (50% duty)

#### Interface - Control Input

6 points, Photocoupler

#### Interface - Pulse Output

2 points, Line driver

#### Interface - Control Output

6 points, Photocoupler/Open collector

#### Interface - Power Shut Down Signal Input

2 points, Photocoupler

<b>Interface - Power Shut Down Monitor Output</b>	1 point, Photocoupler/Open collector
<b>Interface - Field Network</b>	EtherNet/IP
<b>Degree of Protection</b>	IP10
<b>Insulation Resistance (Driver)</b>	When a 500 VDC megger is applied to the following locations, resistance is 100MΩ or higher. Between the PE terminal and main power supply terminal.
<b>Ambient Temperature Range</b>	0°C ~ +50°C (+32°F ~ +122°F) (nonfreezing)
<b>Ambient Humidity</b>	85% max. (noncondensing)
<b>Operating Atmosphere</b>	No corrosive gases or dust. Cannot be used in radioactive area, magnetic field, vacuum or other special environment.

## Communications

<b>Communication Protocol</b>	EtherNet/IP Communication (Conforms with CT16)
<b>Vendor ID</b>	187: Oriental Motor Company
<b>Device Type</b>	43: Generic Device
<b>Transmission Rate</b>	10/100 Mbps (Autonegotiation)
<b>Communication Method</b>	Full duplex/Half duplex (Autonegotiation)
<b>Cable Specifications</b>	Shielded twisted-pair (STP cable) Straight-through/Crossover cable, Category 5e or higher
<b>Number of Occupied Bytes - Output (Scanner &gt; Driver)</b>	40 bytes
<b>Number of Occupied Bytes - Input (Driver &gt; Scanner)</b>	56 bytes
<b>Implicit Communication - Number of Connections</b>	2
<b>Implicit Communication - Connection Type</b>	Exclusive Owner, Input Only
<b>Implicit Communication - Communication Cycle (RPI)</b>	1 to 3200 ms
<b>Implicit Communication - Connection Type (Scanner &gt; Driver)</b>	Point-to-Point
<b>Implicit Communication -</b>	

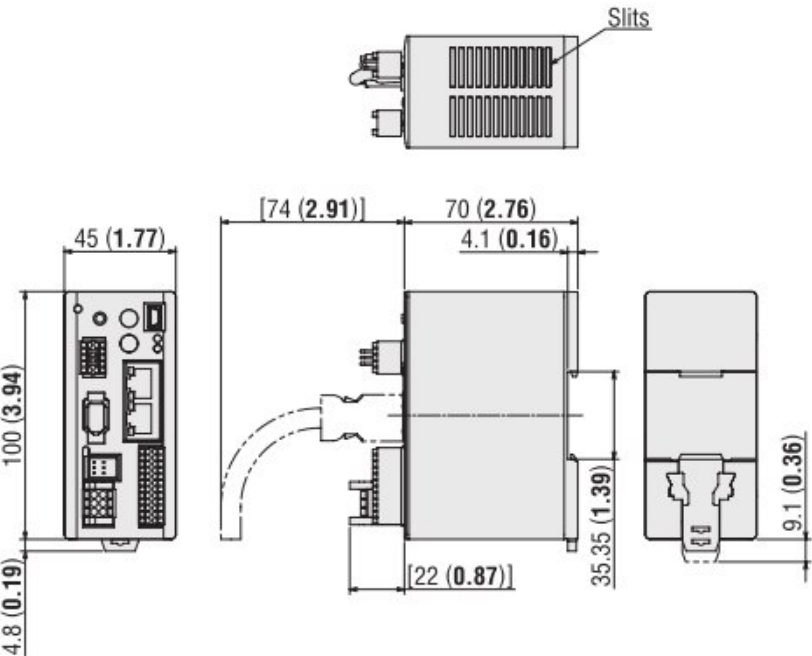
Connection Type (Driver > Scanner)	Point-to-Point, Multicast
Implicit Communication - Data Trigger	Cyclic
Explicit Communication - Number of Connections	6
Explicit Communication - Connection Type	UCMM, Connection
IP Address Setting Method	IP address setting switch, Parameter, DHCP
Network Topologies	Star, Linear bus, Ring (Device Level Ring)

Dimensions

■ Dimensions Unit: mm (in.)

2D & 3D CAD

Product Name	Mass kg (lb.)	2D CAD
AZD-KEP	0.18 (0.40)	B1505



● Included

Main Power Supply Connector (CN4)  
Connector: DFMC1,5/3-ST-3,5-LR (Phoenix Contact)

Control Power Supply Connector (CN1)  
Connector: DFMC0,5/5-ST-2,54 (Phoenix Contact)

I/O Signal Connector (CN7)  
Connector: DFMC0,5/12-ST-2,54 (Phoenix Contact)

# DC Input

## ■ System Configuration

### ● AZ Series with EtherNet/IP Compatible Driver

System configuration example of I/O control with EtherNet/IP compatible AZ Series driver or using EtherNet/IP communications: Motors, drivers, and a connection cable set/flexible connection cable set need to be ordered separately.

- Purchase is required
- Purchase as necessary

