

Digital I/O Module

EZE-D4xx Series

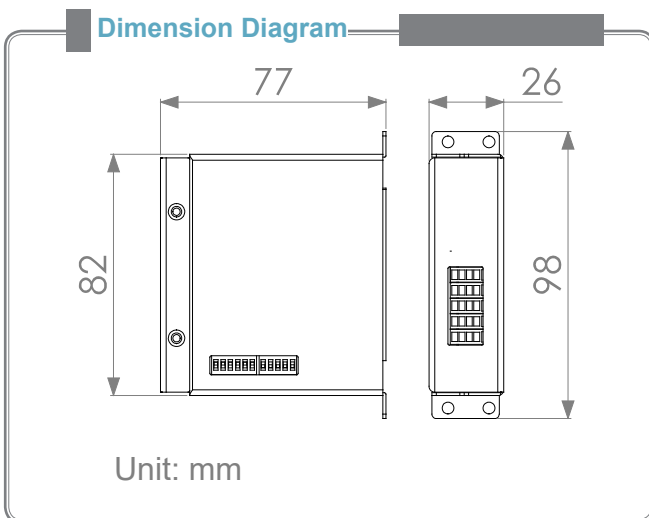


16-Ch. DI/O Module

Features

- Max. 100Mbps transfer rate
- LED diagnostic
- DIP switch for address setting
- Customize PCB mounting (L-98 x W-26 x H-77 mm)

Dimension Diagram



Specifications

EtherCAT®	
Serial interface	Fast Ethernet, Full-Duplex
Distributed Clock	1ms
Cable type	CAT5 UTP/STP Ethernet cable
Surge protection	10KV
Transmission speed	100 Mbps
I/O isolation voltage	3750Vrms
Input type	NPN / PNP type
Input impedance	5.6KΩ/0.5W
Input current	±5mA(Max)
Output type	NPN / PNP
Response time	On to Off, about 50μs; Off to On, about 10μs
General	
Power input	24VDC±10%
Power consumption	3W typical
Working temperature	0 to 60°C

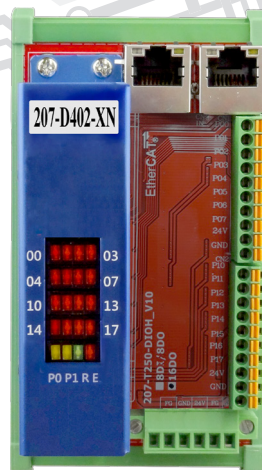
Ordering information

- **EZE-D402-XN**
16-Ch. Digital output (DO) with NPN type
- **EZE-D411-NN**
8-Ch. DI and 8-Ch. DO with NPN type
- **EZE-D402-XP**
16-Ch. Digital output (DO) with PNP type
- **EZE-D411-PP**
8-Ch. DI and 8-Ch. DO with PNP type

Digital I/O Slave

207-D402H-XN/XP

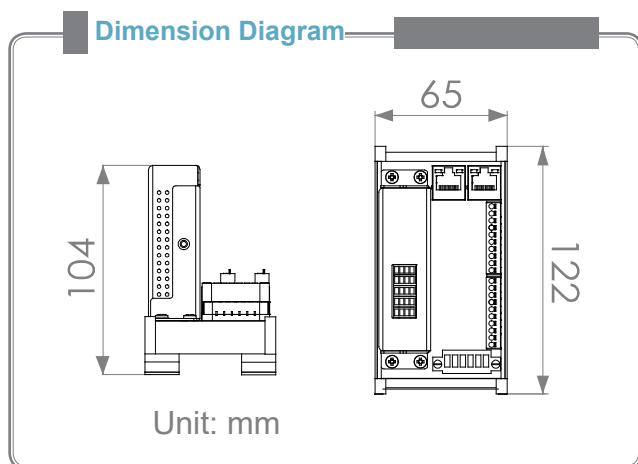
207-D411H-NN/PP



16-Ch. DI/O Slave Module with Pluggable Terminal

Features

- Max. 100Mbps transfer rate
- Easy installation with RJ45 phone jack and LED diagnostic
- Pluggable terminal block with spring plug connectors
- DIP switch for address setting
- DIN rail mounting (L-122 x W-65 x H-104 mm)



Ordering information

- **207-D402H-XN/XP**
16-Ch. Digital output (DO) with NPN/PNP type
- **207-D411H-NN/PP**
8-Ch. DI and 8-Ch. DO with NPN/PNP type
- **SCB-1BB-06A/10A/20A/30A/50A/A0A**
CAT5 LAN cable, 0.6M/1M/2M/3M/5M/10M

Specifications

EtherCAT®	
Serial interface	Fast Ethernet, Full-Duplex
Distributed Clock	1ms
Cable type	CAT5 UTP/STP Ethernet cable
Surge protection	10KV
Transmission speed	100 Mbps
I/O isolation voltage	3750Vrms
Input type	NPN / PNP type
Input impedance	5.6KΩ/0.5W
Input current	±5mA(Max)
Output type	NPN: open drain MOSFET; PNP: MOSFET-P; Integral suppression on diodes for inductive loads
Switch capacity	Each output Ch. is 500mA at 24VDC
Response time	On to Off, about 50μs; Off to On, about 10μs
Over current protection	4A (max) for each port (8-Ch.)
General	
Power input	24VDC±10%
Power consumption	3W typical
Working temperature	0 to 60°C

Digital I/O Module

EZE-D2xx Series

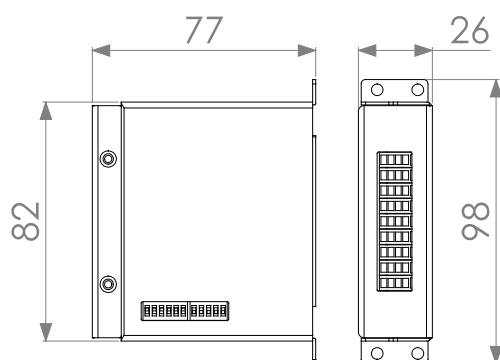


32-Ch. DI/O Module

Features

- Max. 100Mbps transfer rate
- LED diagnostic
- DIP switch for address setting
- Customize PCB mounting (L-98 x W-26 x H-77 mm)

Dimension Diagram



Unit: mm

Ordering information

- **EZE-D240-NX**
32-Ch. Digital input (DI) with NPN type
- **EZE-D204-XN**
32-Ch. Digital output (DO) with NPN type
- **EZE-D222-NN**
16-Ch. DI and 16-Ch. DO with NPN type
- **EZE-D240-PX**
32-Ch. Digital input (DI) with PNP type
- **EZE-D204-XP**
32-Ch. Digital output (DO) with PNP type
- **EZE-D222-PP**
16-Ch. DI and 16-Ch. DO with PNP type

Specifications

EtherCAT®

Serial interface	Fast Ethernet, Full-Duplex
Distributed Clock	1ms
Cable type	CAT5 UTP/STP Ethernet cable
Surge protection	10KV
Transmission speed	100 Mbps
I/O isolation voltage	3750Vrms
Input type	NPN / PNP type
Input impedance	5.6KΩ/0.5W
Input current	±5mA(Max)
Output type	NPN / PNP type
Response time	On to Off, about 50μs; Off to On, about 10μs
Over current protection	1A (max) for each port (8-Ch.)

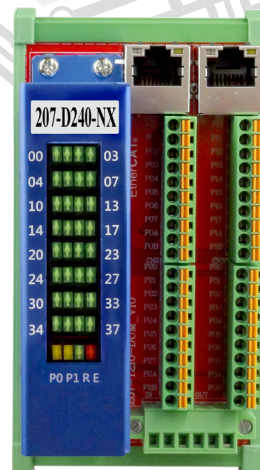
General

Power input	24VDC±10%
Power consumption	3W typical
Working temperature	0 to 60°C

Digital I/O Slave

207-D240-NX

207-D240-PX

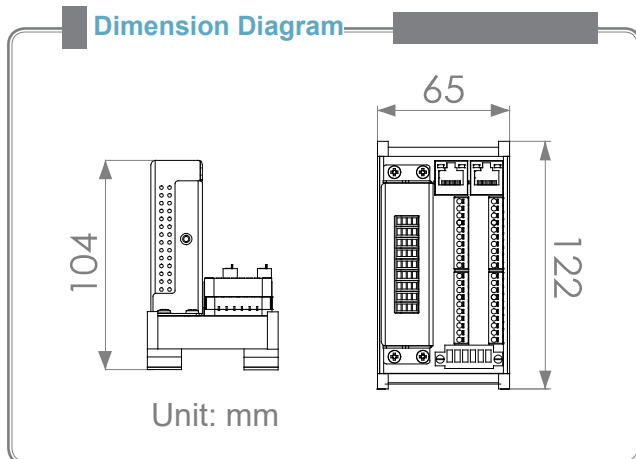


32-Ch. DI Slave Module with Pluggable Terminal

Features

- Max. 100Mbps transfer rate
- Easy installation with RJ45 phone jack and LED diagnostic
- Pluggable terminal block with spring plug connectors
- DIP switch for address setting
- DIN rail mounting (L-122 x W-65 x H-104 mm)

Dimension Diagram



Ordering information

- **207-D240-NX**
32-Ch. Digital input (DI) with NPN type
- **207-D240-PX**
32-Ch. Digital input (DI) with PNP type
- **SCB-1BB-06A/10A/20A/30A/50A/A0A**
CAT5 LAN cable, 0.6M/1M/2M/3M/5M/10M

Specifications

EtherCAT®	
Serial interface	Fast Ethernet, Full-Duplex
Distributed Clock	1ms
Cable type	CAT5 UTP/STP Ethernet cable
Surge protection	10KV
Transmission speed	100 Mbps
I/O isolation voltage	3750Vrms
Input type	NPN / PNP type
Input impedance	5.6KΩ/0.5W
Input current	±5mA(Max)
Response time	On to Off, about 50μs; Off to On, about 10μs

General

Power input	24VDC±10%
Power consumption	3W typical
Working temperature	0 to 60°C

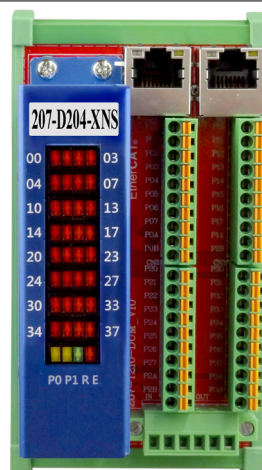
I/O connector

CN0		CN1		CN2		CN3	
I00	01	I10	01	I20	01	I30	01
I01	02	I11	02	I21	02	I31	02
I02	03	I12	03	I22	03	I32	03
I03	04	I13	04	I23	04	I33	04
I04	05	I14	05	I24	05	I34	05
I05	06	I15	06	I25	06	I35	06
I06	07	I16	07	I26	07	I36	07
I07	08	I17	08	I27	08	I37	08
24V	09	24V	09	24V	09	24V	09
GND	10	GND	10	GND	10	GND	10

Digital I/O Slave

207-D204-XNS

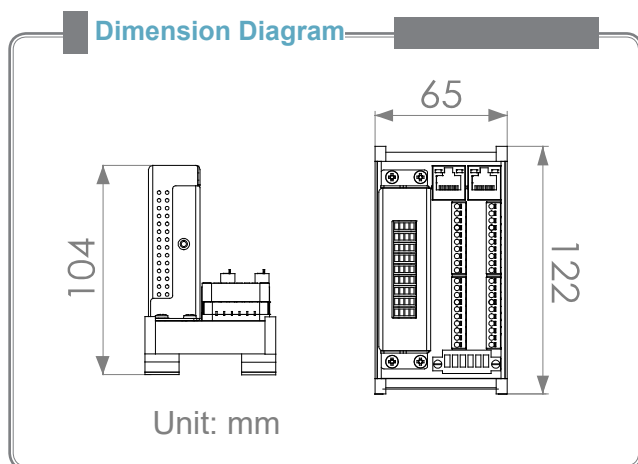
207-D204-XPS



32-Ch. DO Slave Module with Pluggable Terminal

Features

- Max. 100Mbps transfer rate
- Easy installation with RJ45 phone jack and LED diagnostic
- Pluggable terminal block with spring plug connectors
- DIP switch for address setting
- DIN rail mounting (L-122 x W-65 x H-104 mm)



Ordering information

- **207-D204-XNS**
32-Ch. Digital output (DO) with NPN type
- **207-D204-XPS**
32-Ch. Digital output (DO) with PNP type
- **SCB-1BB-06A/10A/20A/30A/50A/A0A**
CAT5 LAN cable, 0.6M/1M/2M/3M/5M/10M

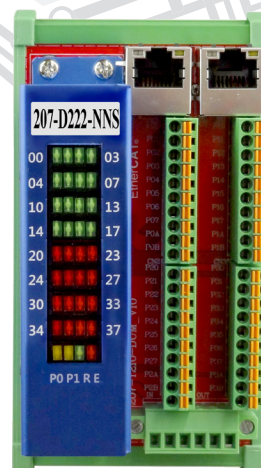
Specifications

EtherCAT®	
Serial interface	Fast Ethernet, Full-Duplex
Distributed Clock	1ms
Cable type	CAT5 UTP/STP Ethernet cable
Surge protection	10KV
Transmission speed	100 Mbps
I/O isolation voltage	3750Vrms
Output type	NPN: open collector Darlington; PNP: MOSFET-P; Integral suppression on diodes for inductive loads
Switch capacity	Each output Ch. is 100mA at 24VDC
Response time	On to Off, about 50µs; Off to On, about 10µs
Over current protection	1A (max) for each port (8-Ch.)
General	
Power input	24VDC±10%
Power consumption	3W typical
Working temperature	0 to 60°C

Digital I/O Slave

207-D222-NNS

207-D222-PPS

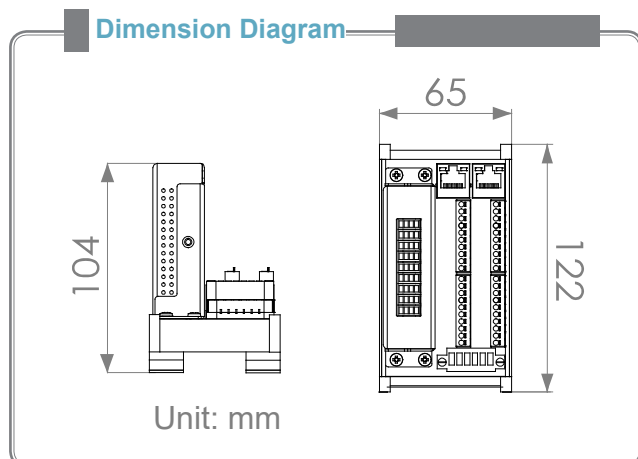


32-Ch. DI/O Slave Module with Pluggable Terminal

Features

- Max. 100Mbps transfer rate
- Easy installation with RJ45 phone jack and LED diagnostic
- Pluggable terminal block with spring plug connectors
- DIP switch for address setting
- DIN rail mounting (L-122 x W-65 x H-104 mm)

Dimension Diagram



Ordering information

- **207-D222-NNS**
16-Ch. DI and 16-Ch. DO with NPN type
- **207-D222-PPS**
16-Ch. DI and 16-Ch. DO with PNP type
- **SCB-1BB-06A/10A/20A/30A/50A/A0A**
CAT5 LAN cable, 0.6M/1M/2M/3M/5M/10M

Specifications

EtherCAT®	
Serial interface	Fast Ethernet, Full-Duplex
Distributed Clock	1ms
Cable type	CAT5 UTP/STP Ethernet cable
Surge protection	10KV
Transmission speed	100 Mbps
I/O isolation voltage	3750Vrms
Input type	NPN / PNP type
Input impedance	5.6KΩ/0.5W
Input current	±5mA(Max)
Output type	NPN: open collector Darlington; PNP: MOSFET-P; Integral suppression on diodes for inductive loads
Switch capacity	Each output Ch. is 100mA at 24VDC
Response time	On to Off, about 50μs; Off to On, about 10μs
Over current protection	1A (Max) for each port (8-Ch.)

General

Power input	24VDC±10%
Power consumption	3W typical
Working temperature	0 to 60°C

Digital I/O Module

EZE-D5xx Series

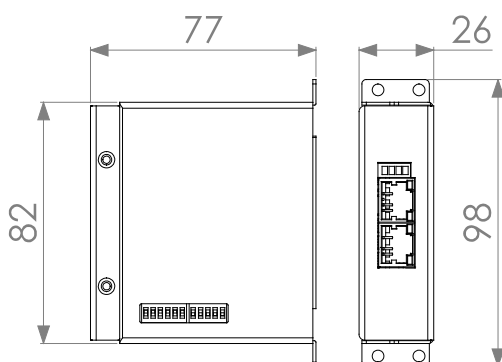


64 / 80 / 96-Ch. DI/O Module

Features

- Max. 100Mbps transfer rate
- LED diagnostic
- DIP switch for address setting
- Customize PCB mounting (L-98 x W-26 x H-77 mm)

Dimension Diagram



Unit: mm

Ordering information

- **EZE-D540-NX/PX**
64-Ch. Digital input (DI) with NPN/PNP type
- **EZE-D522-NN/PP**
32-Ch. DI and 32-Ch. DO with NPN/PNP type
- **EZE-D550-NX/PX**
80-Ch. Digital input (DI) with NPN/PNP type
- **EZE-D532-NN/PP**
48-Ch. DI and 32-Ch. DO with NPN/PNP type
- **EZE-D560-NX/PX**
96-Ch. Digital input (DI) with NPN/PNP type
- **EZE-D542-NN/PP**
64-Ch. DI and 32-Ch. DO with NPN/PNP type
- **EZE-D533-NN/PP**
48-Ch. DI and 48-Ch. DO with NPN/PNP type

Specifications

EtherCAT®

Serial interface	Fast Ethernet, Full-Duplex
Distributed Clock	1ms
Cable type	CAT5 UTP/STP Ethernet cable
Surge protection	10KV
Transmission speed	100 Mbps
I/O isolation voltage	3750Vrms
Input type	NPN / PNP type
Input impedance	5.6KΩ/0.5W
Input current	±5mA(Max)
Output type	NPN / PNP type
Response time	On to Off, about 50μs; Off to On, about 10μs

General

Power input	24VDC±10%
Power consumption	3W typical
Working temperature	0 to 60°C

64-Ch. Digital I/O Slave 207-D5xx Series

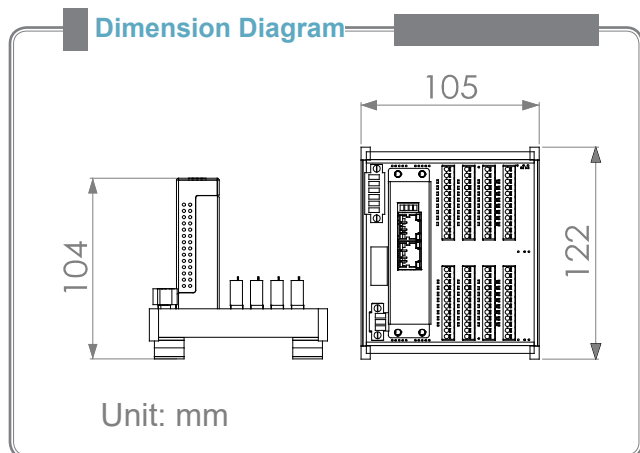


64-Ch. DI/O Slave Module with Pluggable Terminal

Features

- Max. 100Mbps transfer rate
- Easy installation with RJ45 phone jack and LED diagnostic
- Pluggable terminal block with spring plug connectors
- DIP switch for address setting
- DIN rail mounting (L-122 x W-105 x H-104 mm)

Dimension Diagram



Ordering information

- **207-D540-NX/PX**
64-Ch. Digital input (DI) with NPN/PNP type
- **207-D522-NN/PP**
32-Ch. DI and 32-Ch. DO with NPN/PNP type
- **SCB-1BB-06A/10A/20A/30A/50A/A0A**
CAT5 LAN cable, 0.6M/1M/2M/3M/5M/10M

Specifications

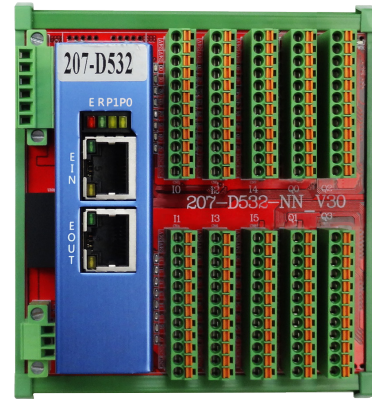
EtherCAT®

Serial interface	Fast Ethernet, Full-Duplex
Distributed Clock	1ms
Cable type	CAT5 UTP/STP Ethernet cable
Surge protection	10KV
Transmission speed	100 Mbps
I/O isolation voltage	3750Vrms
Input type	NPN / PNP type
Input impedance	5.6KΩ/0.5W
Input current	±5mA(Max)
Output type	NPN: open collector Darlington; PNP: MOSFET-P; Integral suppression on diodes for inductive loads
Switch capacity	Each output Ch. is 100mA at 24VDC
Response time	On to Off, about 50μs; Off to On, about 10μs
Over current protection	1A (Max) for each port (8-Ch.)

General

Power input	24VDC±10%
Power consumption	6W typical
Working temperature	0 to 60°C

80-Ch. Digital I/O Slave 207-D5xx Series (available soon)

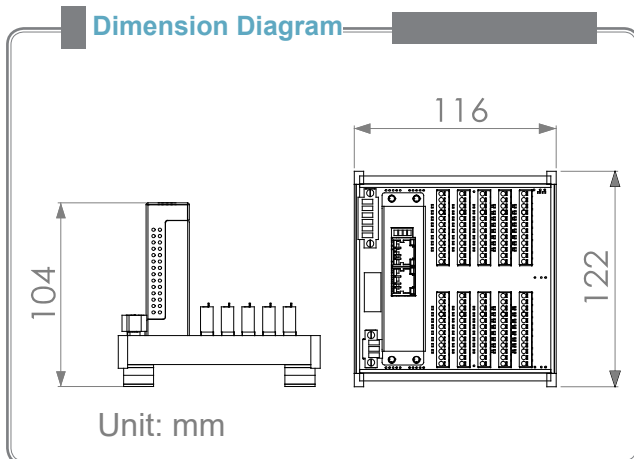


80-Ch. DI/O Slave Module with Pluggable Terminal

Features

- Max. 100Mbps transfer rate
- Easy installation with RJ45 phone jack and LED diagnostic
- Pluggable terminal block with spring plug connectors
- DIP switch for address setting
- DIN rail mounting (L-122 x W-116 x H-104 mm)

Dimension Diagram



Ordering information

- **207-D550-NX/PX**
80-Ch. Digital input (DI) with NPN/PNP type
- **207-D532-NN/PP**
48-Ch. DI and 32-Ch. DO with NPN/PNP type
- **SCB-1BB-06A/10A/20A/30A/50A/A0A**
CAT5 LAN cable, 0.6M/1M/2M/3M/5M/10M

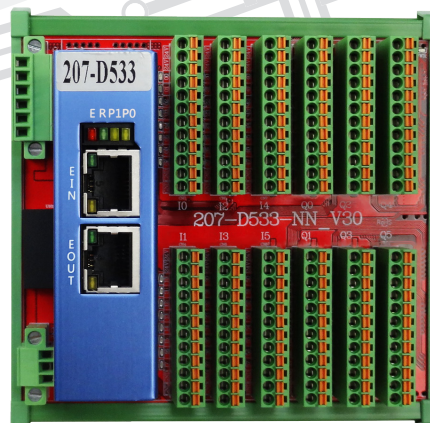
Specifications

EtherCAT®	
Serial interface	Fast Ethernet, Full-Duplex
Distributed Clock	1ms
Cable type	CAT5 UTP/STP Ethernet cable
Surge protection	10KV
Transmission speed	100 Mbps
I/O isolation voltage	3750Vrms
Input type	NPN / PNP type
Input impedance	5.6KΩ/0.5W
Input current	±5mA(Max)
Output type	NPN: open collector Darlington; PNP: MOSFET-P; Integral suppression on diodes for inductive loads
Switch capacity	Each output Ch. is 100mA at 24VDC
Response time	On to Off, about 50μs; Off to On, about 10μs
Over current protection	1A (Max) for each port (8-Ch.)

General

Power input	24VDC±10%
Power consumption	6W typical
Working temperature	0 to 60°C

96-Ch. Digital I/O Slave 207-D5xx Series

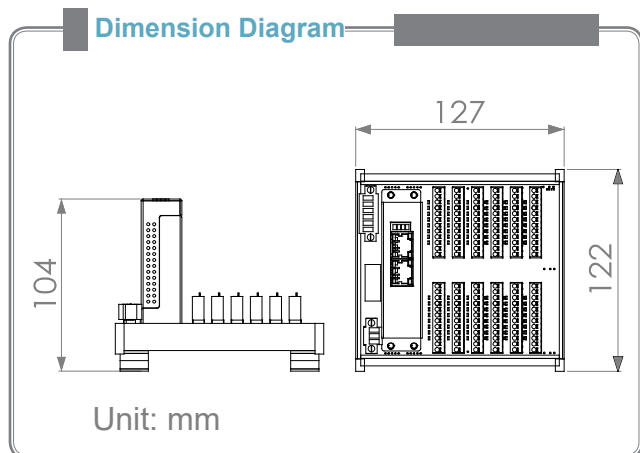


96-Ch. DI/O Slave Module with Pluggable Terminal

Features

- Max. 100Mbps transfer rate
- Easy installation with RJ45 phone jack and LED diagnostic
- Pluggable terminal block with spring plug connectors
- DIP switch for address setting
- DIN rail mounting (L-122 x W-127 x H-104 mm)

Dimension Diagram



Ordering information

- **207-D560-NX/PX**
96-Ch. Digital input (DI) with NPN/PNP type
- **207-D542-NN/PP**
64-Ch. DI and 32-Ch. DO with NPN/PNP type
- **207-D533-NN/PP**
48-Ch. DI and 48-Ch. DO with NPN/PNP type
- **SCB-1BB-06A/10A/20A/30A/50A/A0A**
CAT5 LAN cable, 0.6M/1M/2M/3M/5M/10M

Specifications

EtherCAT®	
Serial interface	Fast Ethernet, Full-Duplex
Distributed Clock	1ms
Cable type	CAT5 UTP/STP Ethernet cable
Surge protection	10KV
Transmission speed	100 Mbps
I/O isolation voltage	3750Vrms
Input type	NPN / PNP type
Input impedance	5.6KΩ/0.5W
Input current	±5mA(Max)
Output type	NPN: open collector Darlington; PNP: MOSFET-P; Integral suppression on diodes for inductive loads
Switch capacity	Each output Ch. is 100mA at 24VDC
Response time	On to Off, about 50μs; Off to On, about 10μs
Over current protection	1A (Max) for each port (8-Ch.)
General	
Power input	24VDC±10%
Power consumption	6W typical
Working temperature	0 to 60°C