EtherCAT®

Fast and Reliable Industrial Automation Network with EtherCAT

EtherCAT (Ethernet for Control Automation Technology) has brought about an efficient way to fulfill industrial automation operations with:

● **Fast Transfer Rate/Low Latency**   ● **Affordability**   ● **Secure Connection**

The Benefit of PLANET EtherCAT Network Devices

Utilizing PLANET's expertise in developing innovative networking for industrial applications, Slave I/O Module, Junction and Media Converter with EtherCAT functionality are available to enable high-speed communication and synchronization between industrial devices including sensors, switches, alarms, etc.

EtherCAT® Compliance
Conformance Test Tool Verified

Industry 4.0
Higher Flexibility and Cost Effectiveness

Industrial Grade
DC 9-48V Power Input
-40~75ºC Operating Temp

Easy to Install
LED Indicators and Removable Terminal Block Connector

EtherCAT Slave I/O Module	EtherCAT Junction Slave	EtherCAT Media Converter
IECS-1116-DI/IECS-1116-DO	IECJ-300, IECJ-400, IECJ-410FT	IECC-210-KIT

Intuitive and Reliable EtherCAT Implementation

• Isolated 16-ch input for distribution
• High-density digital input/output channels
• A wide variety of I/O combinations
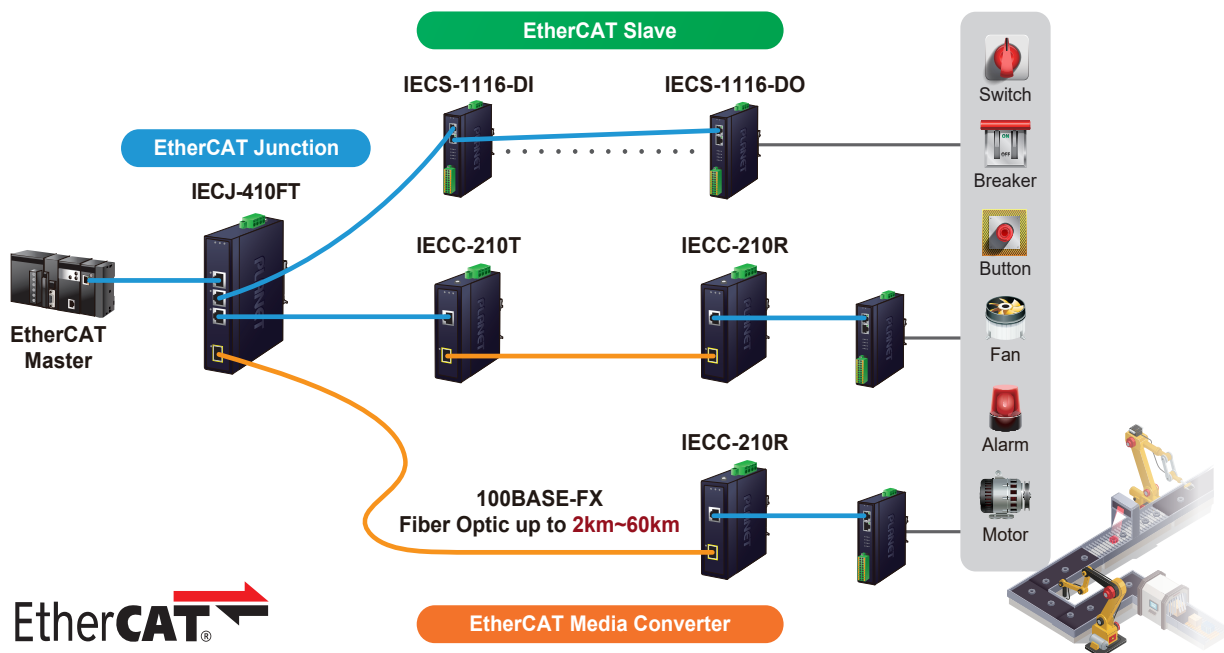• Protected with 3750V DC isolation.
• Compact size and DIN-rail mounting

Expand to Multiple Data Transmission

• Designed for distributed industrial applications
• Suitable for factory automation and more.
• Copper ports expand the network to multiple groups,
• Continuous connection amidst network failure from other groups.

Extend Automation Network Reach

• Extend network up to 60km, way beyond the typical 100m limit via RJ45 cabling
• Convert copper to fiber optic cabling
• Dual 9 ~ 48V DC wide input voltage range
• Operate under the temperature range from -40 to 75 °C

EtherCAT Slave I/O Modules can be placed across the industrial automation setting to transmit data to sensors or other end devices. The EtherCAT Junction helps to connect multiple Slave I/O modules through RJ45 cabling while also utilizing EtherCAT Media Converter to extend the distance between two devices via fiber optic cabling.

		EtherCAT Slave		Junction			Media Converter
Model		IECS-1116-DI	IECS-1116-DO	IECJ-300	IECJ-400	IECJ-410FT	IECC-210-KIT
Product Image							
Hardware	100BASE-TX RJ45	2: one IN, one OUT		3: one IN, two OUT	4: one IN, three OUT	3: one IN, two OUT	1 210T: one IN 210R: one OUT
	100BASE-FX SFP	-		-	-	1: one OUT	1 210T: one OUT 210R: one IN
	DI	16 Dry (Source), Wet (Sink/Source)	-	-	-	-	-
	DO	-	16 Open Collector (Sink), 700mA/Channel	-	-	-	-
Power	Inputs	9V~48VCD					
	Connector	3-pin terminal block		4-pin terminal block			
Mechanical	Dimensions (W x D x H)	32 x 87 x 135mm		33 x 70 x 104mm	32 x 87 x 135mm		33 x 70 x 104mm
	Mounting	DIN-rail, wall-mountable					
Environment	Operating Temperature	-40~75 degrees C					
	Operating Humidity	5~95% (non-condensing)					
Protocol		EtherCAT					

PLANET
Networking & Communication