

ETS Hardware Reference Manual



8CHANNEL Junction Slave MODULE

ETS-HUB08

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개요

**ETS Series - ETS-HUB08 (8Ports EtherCAT Junction Hub)**

ETS-HUB08은 EtherCAT 기반 제어기인 ETS Series의 Slave 연결을 확장해주는 Junction Hub 입니다.
각 채널은 RJ45 커넥터를 이용하여 연결되며, Master 연결과 7개의 Slave 연결로 구성됩니다.
본 매뉴얼은 ETS-HUB08의 하드웨어 구성과 기능에 대해 설명하는 하드웨어 매뉴얼 입니다.

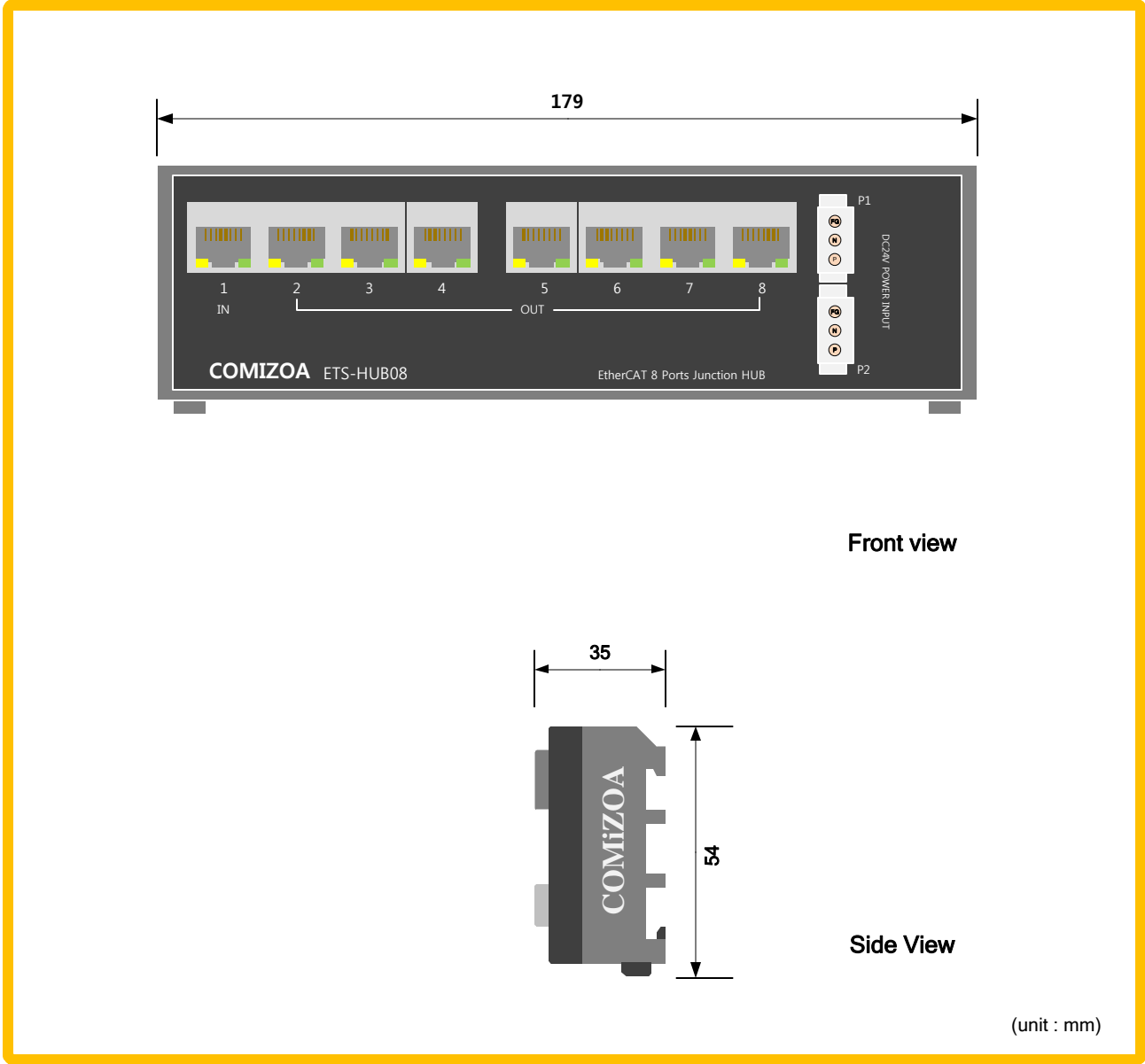
제품사양
☐ Power Specification

ITEM	ETS-HUB08
Power Input	Via three-pin connector(USL-31MVS-3P), P24/N24/FG
Power Dissipation(System)	Max. 200mA @ 24.0V DC
Rated Input Voltage	24V DC (-15%/+20%, ripple ratio within 5%) EN 61131-2

☐ Comm. Specification

ITEM	ETS-HUB Series
Bus interface	8 Ports, RJ45 connector
Transmission medium	Ethernet or EtherCAT cable(Min. CAT 5), Shielded
Transmission speed for EtherCAT	100 Mbit/s with Full Duplex
MDI/MDI-X	MDI/MDI-X auto-crossover.
ESD Protection	Contact Discharge (Typ.) 4kV
	Air Discharge (Typ.) 8kV
Auto Negotiation Func.	Supply
Distance between stations	Max. 100m (100base-TX)
Delay	Approx. 1 μ s per port

제품사양



Dimension

Wiring
▣ RJ45 Connector

IN(1)		OUT(2-8)		RJ45 IN		RJ45 OUT	
1	8	1	8	1	TX+	1	TX+
				2	TX-	2	TX-
				3	RX+	3	RX+
				4	NC	4	NC
				5	NC	5	NC
				6	RX-	6	RX-
				7	NC	7	NC
				8	NC	8	NC

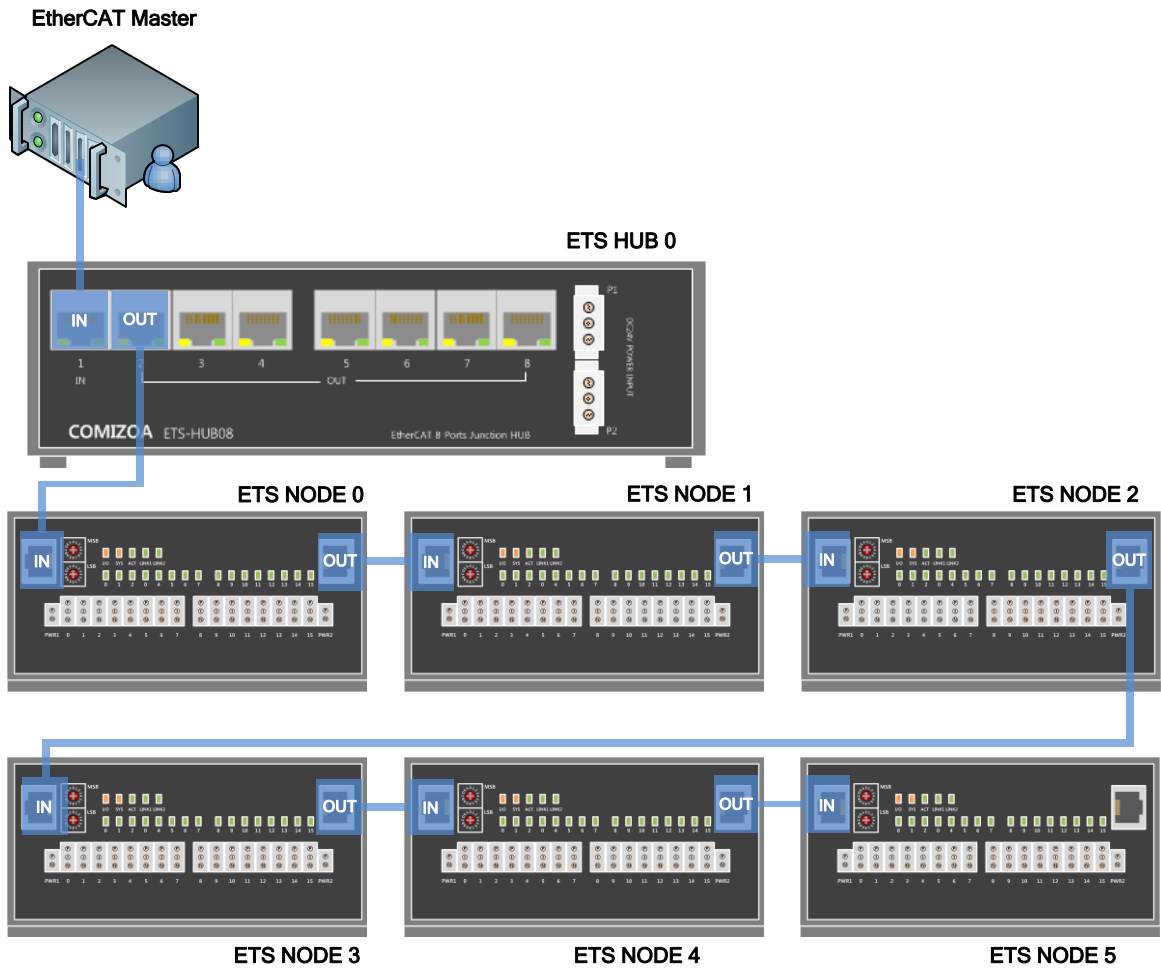
▣ Power Connector

Power Connector (USL-31MVS-3P)	
1	FG (Frame Ground)
2	N24 (Ground)
3	P24 (+24V)

Indicators

RJ45 Connector		
Green On	Link Status	Link normal
Yellow On	Link Act	Link & Ready
Yellow Blink	Link Act	Link & Active

Interface Connect



Hardware Reference Manual Update List

No.	Version	Date	Changes in
1			First Edition

ETS Reference Manual

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