KPW-T2P25 Ver.B

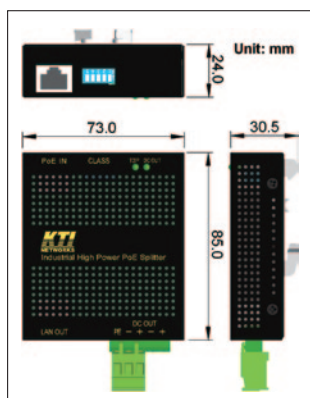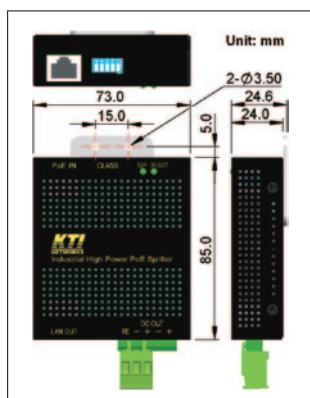## Industrial IEEE 802.3at High Power PoE Splitters

DIN-Rail Dimension

Panel Dimension

KTI Network's KPW-T2P25 Ver.B is a high power PoE splitter which integrates Power over Ethernet (PoE) technology to PoE incapable network device by just using a single Cat.5 cable for both power and data transaction. The equipments such as Wireless Router, AP, Network Camera, Print server, and Media converter which connect to the PoE splitter, all devices become PoE enabled to eliminate the need of power outlets as well as cable installation and expense.

The splitter is equipped with DIP SW that allows user to select one from five different classes for demanding power from a remote PoE switched port or mid-span injector. This feature supports efficient power management at the advanced PSE side. It supports Type 1 PSE for power up to 13 Watts min. and Type 2 PSE for power up to 30 Watts. For industrial applications, the splitter is also equipped with optional brackets for Din-Rail mounting and panel mounting. To enhance application safety, the splitter is featured short-circuit protection, low voltage lock out, inrush current limit and thermal protection.

Four optional models with different DC output voltages, 5V/9V/12V are available for purchasing to meet different appliance power specification. For easier, cost-effective PoE network installation, the PoE splitter is your best solution to protect original investment.

Key Features:
- Enable PoE incapable network device with PoE capability
- IEEE 802.3at and 802.3af compliance
- Support 10BASE-T, 100BASE-TX, and 1000BASE-T
- Support Alternative A or Alternative B PoE input over Cat.5
- Provide a power class selection DIP for demanding power from PSE
- Support Type 1 PSE classification and Type 2 PSE 2-event classification
- Regulated DC power output with four optional voltages
- Flexible mounting support, light weight and compact

Specifications:

Standard	IEEE 802.3 10BASE-T, 100BASE-TX, 1000BASE-T
PoE In Jack	Shielded RJ-45 10BASE-T, 100BASE-TX, 1000BASE-T support Power pins – Pin1/2/3/6 and Pin4/5/7/8 (support both) LAN cable - Cat.5 or better
PoE Standard	IEEE 802.3af Type 1, IEEE 802.3at Type 2
PoE Power Class	Type 1 Class 0 ~ Class 3, Type 2 Class 4 (DIP SW selectable)
PoE Input Voltage	Class 0~3: 36 ~ 57VDC (PSE Type 1 output) Class 4: 42.5 ~ 57VDC (PSE Type 2 output)
LAN Out Jack	Shielded RJ-45 10BASE-T, 100BASE-TX, 1000BASE-T std. LAN cable - Cat.5 or better

DC Power Output	5P Terminal block – PE (protective earth), DC+/DC-, DC+/DC- Voltage options: 5V, 9V, 12V (Model options) Power wires: 12 ~ 22 AWG (1 meter max.)

PSE Type	PoE Input Range* (W)	DC Power Output (W)
1	12.95 ~ 15.4	9 ~ 11
2	25.5 ~ 34	18 min. (5V) 20 min. (9V, 12V)

*The range means the possible maximum power received by the splitter. It depends on the power capability delivered by PSE and the connection length between the PSE and splitter.

Efficiency = DC Output Power / PoE Input Power
(Figures measured at input and output connectors)
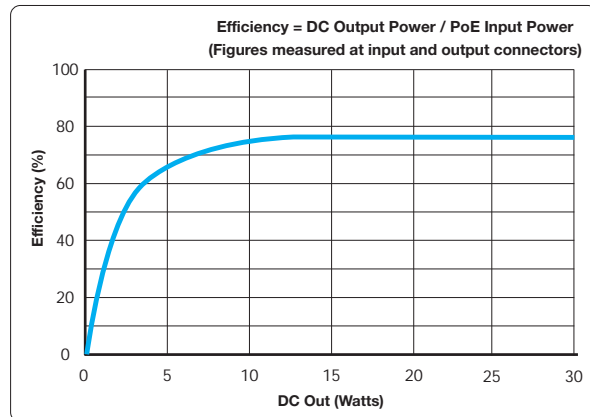
LED Display	Type 2 PoE input status, DC Power output status
DIP SW	Power class selection for PSE classification
Housing	Enclosed metal with no fan
Dimension	73 x 24 x 85 mm (WxDxH)
Accessory	TB-to-DC plug cable
Mounting Support	DIN-Rail, Panel mounting (Optional)
Temperature	Operating Temperature: -30°C ~ 70°C Storage Temperature: -30°C ~ 85°C Relative Humidity: 10% ~ 90% non-condensing
Approval	FCC Class A, VCCI Class A, CE mark Class A, IEC60950-1 safety

Ordering Information:

KPW-T2P25-B5V	5VDC power output
KPW-T2P25-B9V	9VDC power output
KPW-T2P25-B9VE	9VDC power output, surge immunity enhanced up to 2kV
KPW-T2P25-B12V	12VDC power output
KPW-T2P25-B12VE	12VDC power output, surge immunity enhanced up to 2kV
KC-4DR	DIN-Rail mounting
PMB-303	Panel mounting bracket

Related PoE Products:

KPOE-100
IEEE 802.3af mid-span injector

KPOE-100P
IEEE 802.3at PSE High Power
Mid-span Injector

KPOE-800
Modular 8-Port Midspan
Power over Ethernet Injector

KSD-541-HP
Industrial 5-Port
Fast Ethernet Switches with
1 SFP Slot and 4 PoE+ PSE Ports

KGS-0820-P
Managed 8-Port
Gigabit Ethernet Switches with
2 SFP Slots and PoE options

KGS-1060 HP
Industrial Managed 10-Port L2
Gigabit Ethernet Switches with
2 Dual-speed SFP Slots and
4 PoE+ PSE Ports

KGS-1064-HP
Industrial Managed 10-Port L2
Gigabit Ethernet PoE+ Switches
with 2 Dual-speed SFP Slots

KGS-2423-Px
Managed 24-Port
Stackable Gigabit Ethernet Switches
with 4 SFPs and 24 PoE+ PSE Ports

KGS-2461
Industrial Managed 24-Port
L2/L3 Gigabit Ethernet Switches
with PoE+ Features

KGC-261-DP
Industrial Media Converters with
PoE++ PSE Support

190215