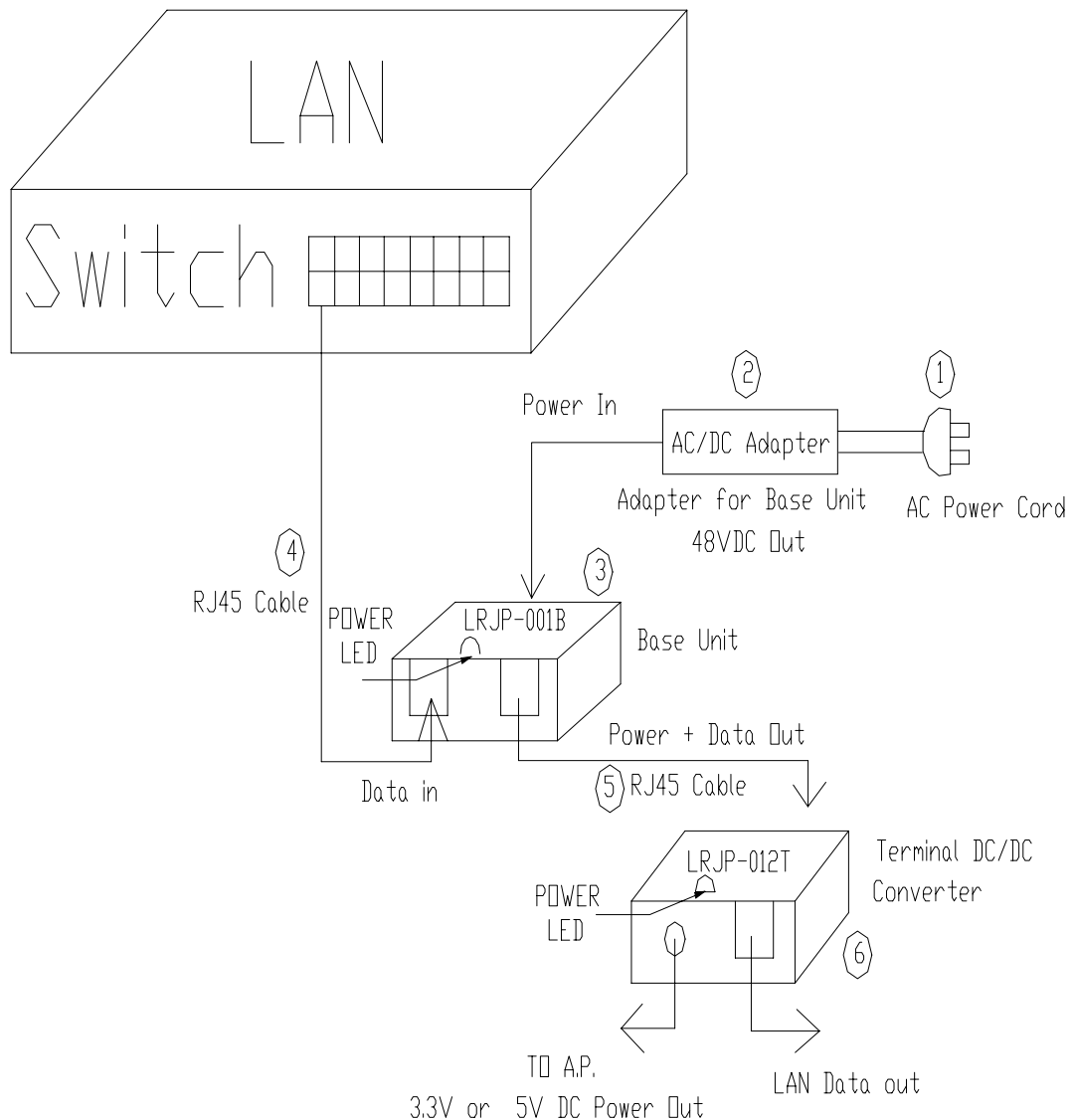


## PoE(Power over Ethernet) Configuration Chart



### TAIMAG PoE Products

❶ AC/DC Adapter for Base unit: TA37-200-F48 (100~240Vac In, 48Vdc 0.41A Out)

❸ Base unit: LRJP-001B

❹ Terminal unit: LRJP-XXXT

1. LRJP-003T : 48Vdc In, 3.3Vdc 3A Out
2. LRJP-005T : 48Vdc In, 5Vdc 2.5A Out
3. LRJP-009T : 48Vdc In, 9Vdc 1.4A Out
4. LRJP-012T : 48Vdc In, 12Vdc 1.1A Out

## LRJP-001B

Base Unit for Power Over Ethernet

### FEATURES:

1. RJ-45 Input / Output Connector
2. Input / Output Common Ground
3. Power / Data Mixer
4. Ethernet Switches expand to Wireless Access Point

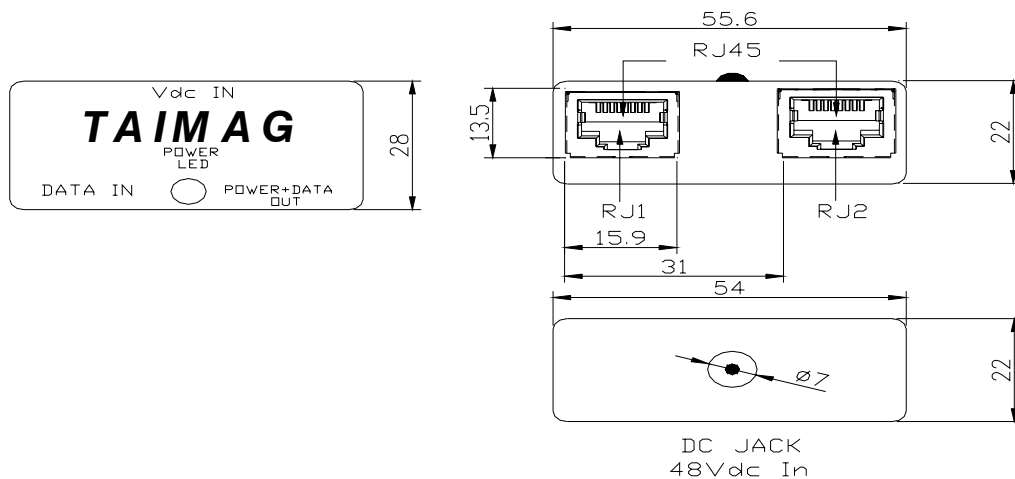


### Input / Output Specifications:

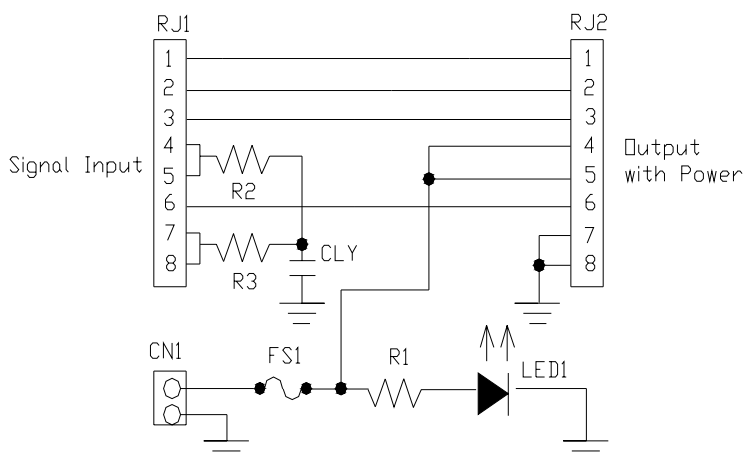
- 1.DC Input Voltage:48V±5%(Applied from External Switching Adapter(100~240Vac))
- 2.DC Output Voltage&Current:48V±5% 0.41A Max.  
(RJ2 Pin#4,5(48V),Pin#7,8(GND))

3.Fuse:Fs1 is Fast Acting Square Ceramic Surface Mount Fuse Series,1A 125V

**Mechanical Dimension:Unit=mm±0.25**



### Circuit Diagram & Pin Assignment:



| Pin | Input RJ1 | Output RJ2 | Pin |
|-----|-----------|------------|-----|
| 1   | Tx(+)     | Tx(+)      | 1   |
| 2   | Tx(-)     | Tx(-)      | 2   |
| 3   | Rx(+)     | Rx(+)      | 3   |
| 4   | N.C.      | 48V        | 4   |
| 5   | N.C.      | 48V        | 5   |
| 6   | Rx(-)     | Rx(-)      | 6   |
| 7   | GND       | GND        | 7   |
| 8   | GND       | GND        | 8   |

## Terminal

## 12.5W Single O/P Isolated DC-DC Converter

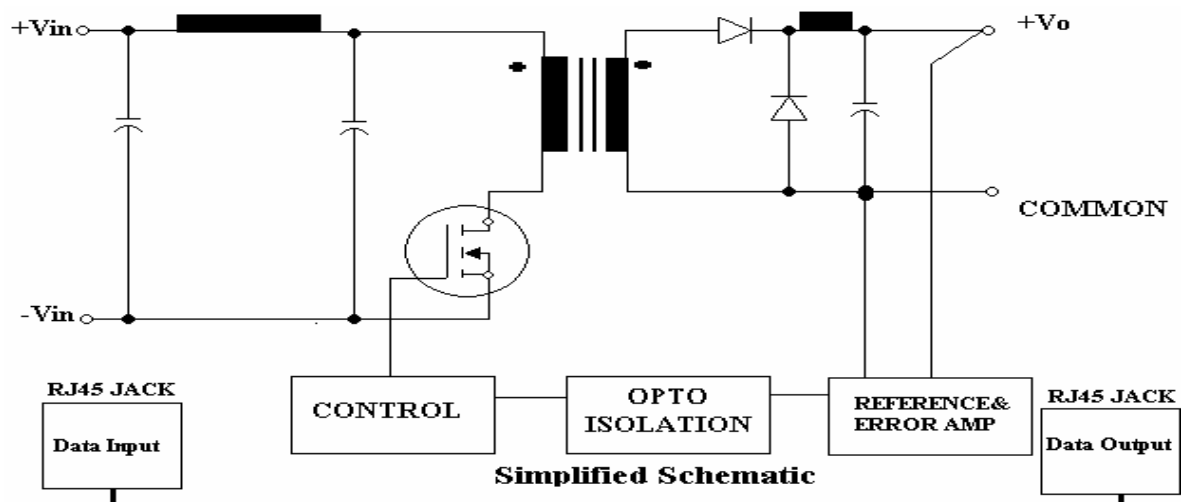
### FEATURES:

1. Low Cost, High Performance
2. 2:1 Input Range
3. 500Vdc Input/Output Isolation
4. No External Components Required
5. Complied with IEEE802.3af
6. Safety Certification : CE #C442105



### Specification At 25°C

| Input Specifications:                      | General Specifications:                       |
|--------------------------------------------|-----------------------------------------------|
| Input Voltage Range:48Vdc                  | Isolation Voltage:500Vdc                      |
| Input Filter: PI Type                      | Efficiency :See Table( Vin =48V,at full load) |
| Output Specifications:                     | Switching Frequency:200KHz typical            |
| Output Voltage & Current: See Table        | Isolation Resistance:1000M ohm                |
| Voltage Accuracy:±2% max                   | Environmental Specifications:                 |
| Line Regulation(at full load): ±1% max     | Operating Temperature(External): -25 to +71°C |
| Load Regulation(at full load to 1/4):      | Storage Temperature(External):-40 to +105°C   |
| Single Output: ±5%(5V) max                 | Cooling: Free Air Convection                  |
| Temperature Coefficient:±0.05% / °C max    | Humidity Non-Condensing:20 to 95%RH           |
| Ripple & Noise(20MHz BW):1% p-p max        | Physical Specifications:                      |
| Short Circuit Protection : Power Fold Back | Weight:50 Grams Typical                       |
| Over Load Protection :Build-in             |                                               |





# Terminal 12.5W Single O/P Isolated DC-DC Converter

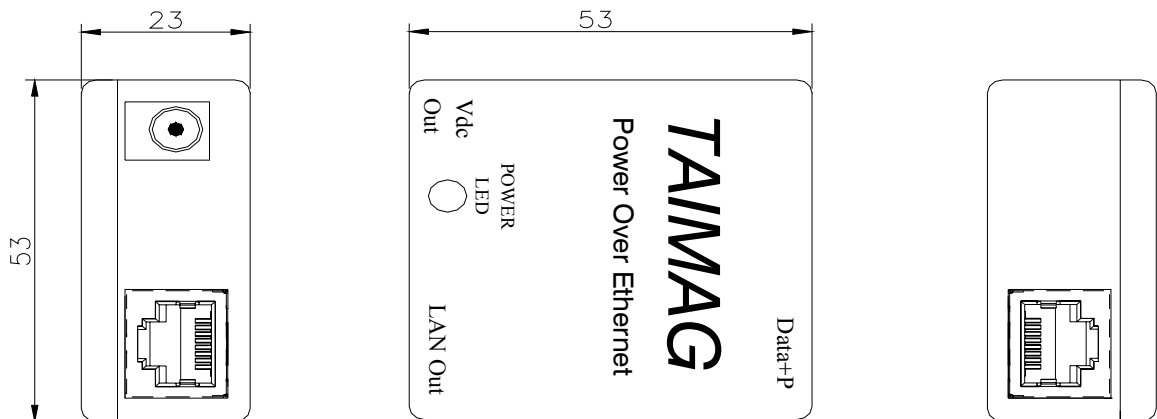
Electrical Specification:

| Model     | Input            |             |           | Output           |                 | Efficiency<br>Typical %<br>(a) | Package<br>External Fuse |
|-----------|------------------|-------------|-----------|------------------|-----------------|--------------------------------|--------------------------|
|           | Voltage<br>(Vdc) | Current(mA) |           | Voltage<br>(Vdc) | Current<br>(mA) |                                |                          |
|           |                  | No-Load     | Full-Load |                  |                 |                                |                          |
| LRJP-003T | 48               | 11          | 282       | 3.3              | 3000            | 80                             | D                        |
| LRJP-005T | 48               | 16          | 325       | 5                | 2500            | 80                             | D                        |
| LRJP-009T | 48               | 16          | 324       | 9                | 1400            | 81                             | D                        |
| LRJP-012T | 48               | 13          | 335       | 12               | 1100            | 82                             | D                        |

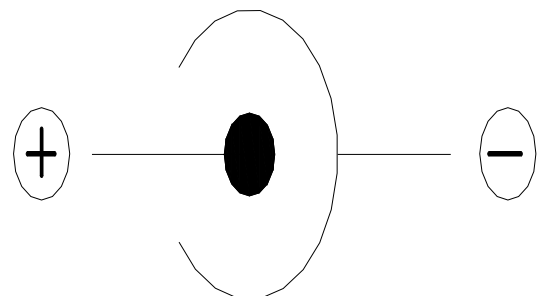
(a)Efficiency is specified at nominal input voltage and full load.

**Dimensions : Unit=mm±0.25**

**Package D:**



| Pin Connection |        |         |     |
|----------------|--------|---------|-----|
| Pin            | LAN In | LAN Out | Pin |
| 1              | Tx(+)  | Tx(+)   | 1   |
| 2              | Tx(-)  | Tx(-)   | 2   |
| 3              | Rx(+)  | Rx(+)   | 3   |
| 4              | +48V   | N.C.    | 4   |
| 5              | +48V   | N.C.    | 5   |
| 6              | Rx(-)  | Rx(-)   | 6   |
| 7              | GND    | GND     | 7   |
| 8              | GND    | GND     | 8   |



DC Phone Jack  
O.D\*I.D=6\*2.5