



Craig Security Network

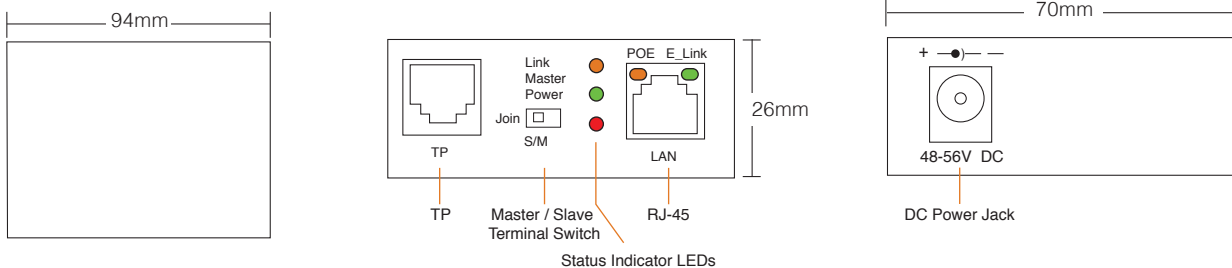
[www.csn.sg](http://www.csn.sg)



## CS-7151RJ-TX/RX

### Ethernet & PoE over UTP Transmitter/Receiver

- Transmit 10/100 BaseT Full Duplex Ethernet up to 300m over any UTP cable.
- 48-56Vdc is distributed over the UTP to all connected equipment. PoE Powers are deployed by using the existing PoE switch Power. The Maximum power is 15 Watts per IP device.
- One CS-7151RJ-TX are connected to the any IP device in the field and CS-7151RJ-RX are connected to PoE switch. No power adaptor required.
- Easy configuration, no PC required. Plug and play technology.
- Please refer to our Quick Installation User Manual for more detail.



Technical Specification

| Name                  | Model / Type                | Specification  |
|-----------------------|-----------------------------|--|
| Product               | Model No.                   | CS-7151RJ-TX and CS-7151RJ-RX  |
| Copper-line Interface | Standards                   | Base on up-to-date advanced IEEE P1901 for Ethernet over Copper(EOC)<br>Application with raw data rates up to 95Mbps |
|                       | Copper-line Device          | CR700 / CR100 Advanced Integration   |
|                       | Connector                   | UTP cable for RJ-45 Adaptor outlet connection  |
| Line Rates            | Phy Rate                    | Maximum Link Rates 95Mbps  |
| Ethernet Interface    | Standards                   | ISO / IEC 802.3 (ANSI / IEEE 802.3i)10BASE-T Ethernet  |
|                       |                             | IEEE 802.3u , 100BASETx , Fast Ethernet  |
|                       |                             | IEEE 802.3ab 100BASE-T   |
|                       | PHY Connection              | USZ8041 , 10BASE-T , 100BASE-T , With Auto-detect Auto MDIX  |
|                       | Connector                   | RJ-45 Connector for 10BASE-T , 100BASE-Tx Ethernet Interface   |
| LED Indicators        | RJ45-DATA                   | Data Link / Green  |
|                       | RJ45-PoE                    | PoE On / Yellow  |
|                       | Power                       | 48-56Vdc Link/Red  |
|                       | BNC Join                    | CS-Product link / Orange   |
|                       | Master/Slave                | Slave / OFF  |
| Encryption            | Encryption method           | 128-bit AES Link Encryption with key management for secure. Power line communication.                                |
| IGMP                  | IGMP Protocol               | Supports IGMP multicast sessions<br>ToS , CoS and IP port number packet classification                               |
| PoE                   | Standards                   | IEEE 802.3 at / af Both supports   |
|                       | Maximum Power               | Up to 15Watts  |
| System Power          | Voltage                     | AC/DC Power adaptor , AC 90 ~ 260V , 50Hz / 60Hz , 56V DC 1.5~2A   |
| Agency Approval       | AC Line Safety              | UL 60950-1 and CE60950 for ITE Devices, CAS, TUV   |
|                       | Emissions                   | FCC Part 15 for Class A  |
|                       | Surge Protection            | 2KV / 1.2 , 50 us , 1KA / 8, 20uS for AC/DC Adaptor  |
| Mechanical            | Dimensions                  | With Bracket : L94 X 95 X 26mm . Without Bracket : L94 X 70 X 26mm   |
|                       | Weight                      | 195g   |
| Enviroment conditions | Operating Temperature Range | -20°~75°C  |
|                       | Humidity Range              | 10% ~ 90%  |
|                       | Storage Temperature         | -40 ~ 80 °C  |

Up To

400m

Coax

PoE distance  
up to 1.000m  
on Coax  
  
(With Power Adaptor)

90Mbps

per

Camera

Bandwidth  
up to  
90Mbps

Up To

200

2-Wire

PoE distance  
up to 600m  
on 2-Wires cable  
  
(With Power Adaptor)

Up To

300m

UTP

PoE distance  
up to 800m  
on UTP cable  
  
(With Power Adaptor)

Ethernet

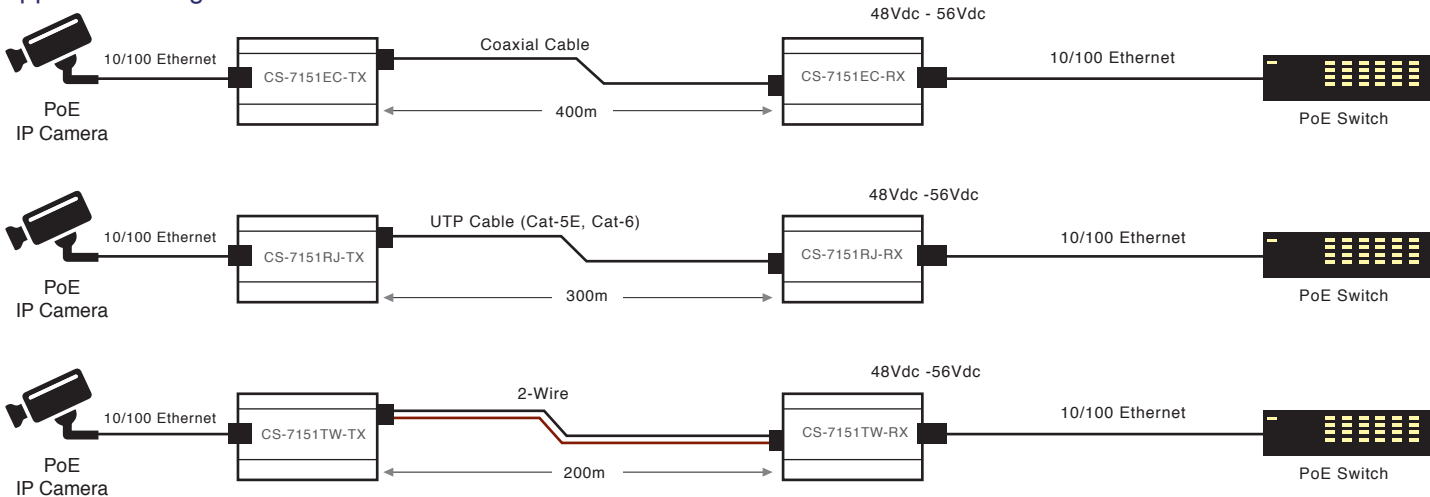
10/100

Transmit full  
duplex 10/100  
Ethernet

1:3

Multi-connection  
for both Tx / Rx  
on Coax /  
2-Wires cable

Application Diagram



This product has passed all of the required tests and comply the regulation of RoHs certification.  
CE-EN 60950-1/EN 55032 / EN 55024, FCC Part 15B Class B

\*Above spec may be differnet by installation environment.