



## Key Features

- IEEE 802.3af/at/bt
- 10/100/1000Mbps
- Plug and Play, without configuration management
- Metal enclosure, natural heat dissipation
- Lighting protection: 3KV 8/20us; 3 KV ESD Protection
- Under-voltage, over-voltage, over-current and short-circuit protection
- Compatible with X2 COMBAT<sup>TM</sup>, X3 STORM<sup>TM</sup> and X4 COMMANDER<sup>TM</sup> PoE models.

| Technical Specification       |                                                                                                                                                                                                                                                                         |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Item                          | 90W PoE Injector                                                                                                                                                                                                                                                        |
| Part Number                   | RV-POE-INJ-90W                                                                                                                                                                                                                                                          |
| Input Voltage/Frequency       | AC100-240V; 50/60Hz, 1.4A Max.                                                                                                                                                                                                                                          |
| Output Voltage/Current        | 55Vdc, 1.65A                                                                                                                                                                                                                                                            |
| Interface Port                | Power Input: AC Power Socket (ICE320-C14 Standard)<br>Ethernet Port (Data Input): 1×RJ45 10/100/1000Mbps<br>Ethernet Port (PoE Output): 1×RJ45 10/100/1000Mbps                                                                                                          |
| Power/Data Assignment         | Power: pin 1,2,4,5"+", pin 3,6,7,8 "-"; Data: pin 1,2,3,4,5,6,7,8                                                                                                                                                                                                       |
| Data Exchange                 | 10/100/1000Mbps                                                                                                                                                                                                                                                         |
| Data Speed                    | Ethernet 10Mbps half-duplex, 20Mbps full-duplex<br>Fast Ethernet 100Mbps half-duplex, 200Mbps full-duplex<br>Gigabit Ethernet 2000Mbps full-duplex                                                                                                                      |
| Network Medium                | 10Base-T: Pair 2 Category 3(Cat3) and above<br>UTP/STP(≤100m)<br>100Base-TX: Pair 2 Category 5(Cat5) and above<br>UTP/STP(≤100m)<br>1000Base-T: Pair 4 Category 5(Cat5e) and above<br>UTP/STP(≤90m)<br>1000Base-T: Pair 4 Category 6(Cat6e) and above<br>UTP/STP(≤100m) |
| Protections                   | Under-voltage, over-voltage, over-current and short-circuit protection, Lighting Protection 3KV 8/20us; 3KV ESD protection                                                                                                                                              |
| Ambient operating temperature | -10~65°C                                                                                                                                                                                                                                                                |
| Storage temperature           | -40~70°C                                                                                                                                                                                                                                                                |
| Operating Humidity            | 10%~90% RH, no condensation                                                                                                                                                                                                                                             |
| Storage Humidity              | 5%~90% RH, no condensation                                                                                                                                                                                                                                              |
| System Reliability            | MTBF>100k hours                                                                                                                                                                                                                                                         |
| Specification                 | PoE++/IEEE802.3bt, IEEE802.3af/at downward compatible<br>Comply to EN55022, CLASS B CE & RE, CE, FCC, RoHS                                                                                                                                                              |
| Dimension/Weight              | 183mm×72mm×35mm; N.W : 0.40Kg, G.W : 0.60Kg                                                                                                                                                                                                                             |

