HUAWEI eKit

# Huawei AD-560161T0E

## 56 V 90 W PoE Adapter Datasheet

100-240 V AC Input | 56 V DC Output | Natural Heat Dissipation

## Product Overview

The **AD-560161T0E** is a 56 V DC, 90 W PoE adapter. It accepts a wide-range AC input (100 V AC to 240 V AC) and supplies power to external powered devices through its PoE interface over an Ethernet cable. It is available under two part numbers (02221409 and 02221409-002) with identical specifications.

## Basic Information

| Item | Details |
|---|---|
| **Model** | AD-560161T0E |
| **Part Number** | 02221409<br>02221409-002 |
| **Description** | 56V 90W POE Adapter |

## Panel Layout & Components

**1. AC power socket:** AC power inlet.

**2. Power indicator:** AC status LED.

**3. PoE interface indicator:** PORT status LED.

**4. DATA interface:** RJ45 service interface.

**5. PoE interface:** RJ45 power output interface.

## Technical Specifications

| Item | Specification |
|---|---|
| **Dimensions (H × W × D)** | 40 mm × 191.5 mm × 80 mm (1.57 in. × 7.54 in. × 3.15 in.) |
| **Rated Input Voltage** | 100 V AC to 240 V AC, 50 Hz / 60 Hz |
| **Input Voltage Range** | 90 V AC to 290 V AC, 47 Hz to 63 Hz |
| **Rated Output Voltage** | 56 V DC |
| **Rated Output Power** | 90 W |
| **Power Dissipation Mode** | Natural heat dissipation<br>Do not touch the power adapter for a long time because the plastic shell may be slightly hot when the power adapter is heavily loaded. This condition does not affect the performance and reliability of the adapter. |
| **Hot Swapping** | Not supported |
| **Rated Service Life** | 5 years (40°C ambient temperature, full load)<br>8 years (30°C ambient temperature, full load) |
| **Long-term Operating Ambient Temperature** | –40°C to +65°C (–40°F to 149°F) |

## Panel Indicators

| Silkscreen | Name | Color | Status | Description |
|---|---|---|---|---|
| **AC** | Power indicator | Green | Steady on | The power output of the power module is normal. |
| | | Green | Blinking | The power module is abnormal. |
| | | - | Off | The power module is abnormal. |
| **PORT** | PoE interface indicator | Green | Steady on | The PoE interface is properly connected. |
| | | Green | Blinking | The PoE interface is not properly connected. |
| | | - | Off | The PoE interface is not properly connected. |

## Ports

| Port | Connector Type | Description | Available Components |
|---|---|---|---|
| **PoE interface** | RJ45 | Supplies power to external powered devices through Ethernet cables. | Ethernet cable |
| **DATA interface** | RJ45 | An electrical interface that transmits and receives services. | Ethernet cable |

## Functions and Features

| Category | Feature | Description |
|---|---|---|
| **Input Protection** | Input Undervoltage Protection | Stops power output and automatically restores power output after the input voltage becomes normal. |
| | Input Overcurrent Protection | Stops power output and automatically restores power output after the input current becomes normal. |
| **Output Protection** | Output Overvoltage Protection | Stops power supply intermittently. When the system recovers from output overvoltage, the power module automatically resumes power supply. |
| | Output Short-Circuit Protection | Intermittently provides output and automatically restores normal output after the output short circuit is removed. |

Source: Huawei NetEngine AR5700, AR6700, and AR8000 Hardware Description, Issue 14 (2026-10-30), sections 4.14 and 4.15 "AD-560161T0E (02221409 / 02221409-002: 56V 90W POE Adapter)". Information is subject to change without notice.