

# Device Power Supply

## Introduction

Different devices in the Yealink AVONE solution can be powered either via PoE or DC adapters. The following tables help you estimate the PoE requirements when planning your network. The total rated power consumption of connected devices must not exceed the switch's maximum PoE output capacity (recommended 10% power headroom, 20% for optimal safety margin).

## PoE Total Power

Device	Power Supply	PoE Total Power
RCH80	PoE/PoE+	130 W
RCH240	PoE/PoE+	370 W

## Individual Device Power Ratings

Device	Power Supply Methods	PoE Port Rated Power
UVC86	DC/POE	30 W
SmartVision 80	DC/POE	30 W
CM50	POE	19.3 W
CM20	POE	9 W
CS10/CS10-D	POE	24 W
CT200	POE	10 W
EN300	DC/POE	7.5 W
DE300	POE	8.5 W
AVBridge	POE	13 W

## Recommended Reference Solution

The following are two reference solutions that show how to connect devices with RCH80 and RCH240.

<b>RCH80 (Max 130W)</b>	<b>RCH240 (Max 370W)</b>
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<ul style="list-style-type: none"><li>• EN300 x 1: DC</li><li>• DE300 x 1: 8.5 W</li><li>• CM20 x 1: 9 W</li><li>• CS10/CS10-D x 2: 48 W</li><li>• AVBridge x 1: 13 W</li><li>• Camera x1: 30 W</li></ul> <p><b>Total PoE Power: 109W</b></p> <p><b>Ports needed: 7</b></p>	<ul style="list-style-type: none"><li>• CT200 x 1: 10 W</li><li>• EN300 x 2: DC</li><li>• DE300 x 2: 17 W</li><li>• CM50 x 2: 39W</li><li>• CS10/CS10-D x 6: 144W</li><li>• Camera x 3: 90W</li><li>• AP08 x 1: AC</li></ul> <p><b>Total PoE Power: 300W</b></p> <p><b>Ports needed: 17</b></p>
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