

# M80 5 Port 100bT Ethernet Switch

# Smallest 5 Port Ethernet Switch



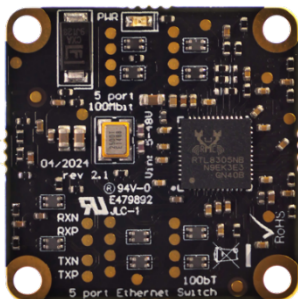
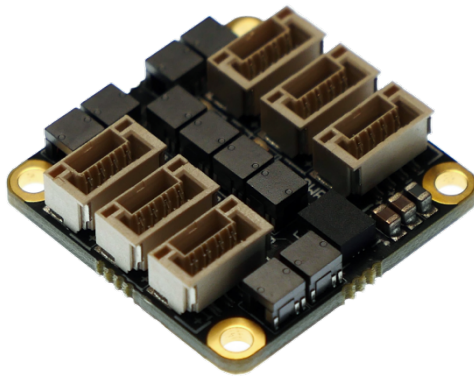
## Overview

With a size of 25.5mm x 25.5mm and a weight of only 4.9 grams, the M80 is the smallest and lightest 5 port Ethernet switch in the world and the perfect solution for applications with limited space like UAVs. This compact board has been developed for usage in drones and similar equipment and as an alternative for products manufactured in China.

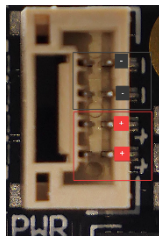
## Features

- Designed and manufactured in Germany
- Based on the Realtek RTL8305NB
- Activity and power LEDs
- Not managed, no MCU
- 100m cable supported
- Automatically switch between receive and transmit data pairs
- On request we are happy to create a version with fewer ports (minimum order quantity 100 pieces)
- Customer specific design services on request

## NDA compliant version on request



Back side



PWR: Power in on the top side

## Getting started:

- Make sure to connect the power (5V to 48V) to the socket marked with PWR
- Connect external Ethernet devices to port 0-4 for a 100bT link
- If the LED next to the port is blinking, the connection has been established and data is being transferred

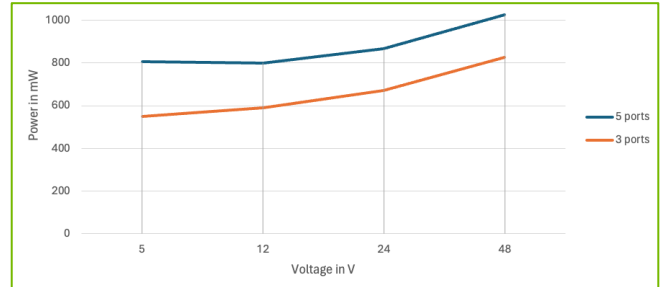
**Need a customized solution?  
We are happy to create it for you!**

## Resources

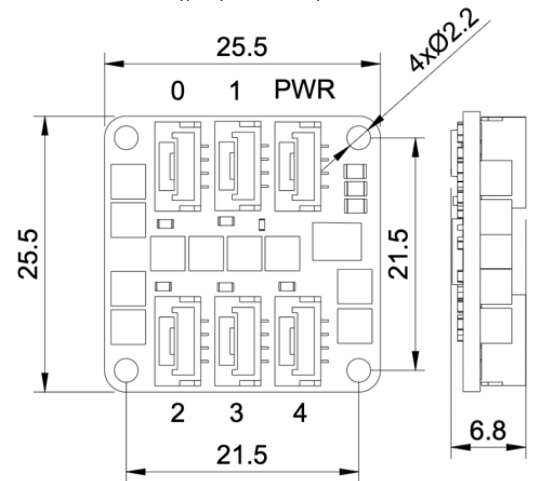
Description	Link
3D model	<a href="https://auvidea.eu/download/step/38658-2.1.step.zip">https://auvidea.eu/download/step/38658-2.1.step.zip</a>

## Technical specifications

Feature	Description
Power input	5V to 48V
Ports	5x JST GH 100Mbit/s
Size	25.5mm x 25.5mm x 6.8mm (LxWxH)
Weight	4.9 grams
Typical power consumption	220mW idle and up to 1030mW under full load



typical power consumption



## Components

SKU	Part
38658-RT	M80 5 port 100bT Ethernet switch incl. cable kit
38658-CK	Cable kit for the M80

## Accessories

SKU	Part
42020	BE321 RJ45 to PicoBlade Ethernet adapter
38577-M12	BS441 M12 X-Code adapter 38577
38499	Amphenol IP67 RJ45 adapter



BE321



BS441

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