

<i>Hardware features</i>	<b>MOLTINO 4 x 4 ARDUINO PLC SHIELD</b>	<b>2025. 07. 09.</b>
<b><i>tmslab.</i></b>	Module: mother board	
<b>ATTILA ZOLTAN TAMAS</b>	Analog outputs	Page : 1

## *Analog Outputs of the MOLTINO 4 x 4*

The MOLTINO 4x4 features **four independent analog outputs**, each capable of delivering a **programmable DC voltage in the range of 0 to 10 V**. Each output supports a maximum current of **300 mA** and is protected by a **self-resetting fuse**, ensuring safety against overloads.

The analog signal is generated using **pulse-width modulation (PWM)** originating from the microcontroller board. The **output resolution** directly depends on the **PWM resolution** used in the control system.