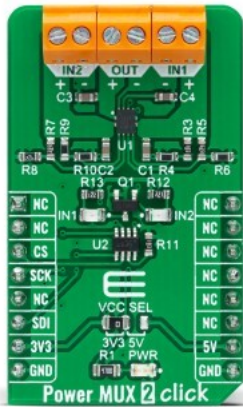# Power MUX 2 Click

PID: MIKROE-4575

Power MUX 2 Click is a compact add-on board that contains a highly configurable power mux. This board features the TPS2120, a dual-input single-output power multiplexer with an automatic switchover feature from Texas Instruments. This Click board™ prioritizes the main supply when present and quickly switches to auxiliary supply when the main supply drops. During switchover, the voltage drop is controlled to block reverse current before it happens and provide uninterrupted power to the load with minimal hold-up capacitance. This Click board™ is suitable for applications as a backup and standby power, input source selection, and various systems having multiple power sources.

Power MUX 2 Click is supported by a mikroSDK compliant library, which includes functions that simplify software development. This Click board™ comes as a fully tested product, ready to be used on a system equipped with the mikroBUS™ socket.

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Specifications

Type	Power Switch
Applications	Can be used for applications as a backup and standby power, input source selection, and various systems having multiple power sources.
On-board modules	TPS2120 - highly configurable power mux with an automatic switchover feature from Texas Instruments TPL0501 - 256-taps digital potentiometer from Texas Instruments
Key Features	Low power consumption, automatic switchover, output current limit, uninterrupted power solution, and more.
Interface	SPI
ClickID	No
Compatibility	mikroBUS
Click board size	M (42.9 x 25.4 mm)
Input Voltage	3.3V or 5V

Resources

mikroBUS™

mikroSDK

Click board™ Catalog

Click Boards™

Downloads

TPL0501 datasheet

TPS2120 datasheet

Power MUX 2 click 2D and 3D files

Power MUX 2 click schematic

Power MUX 2 click example on Libstock