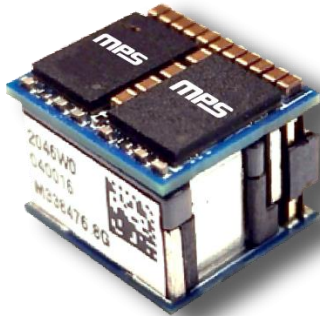


# MPC22161-120

120A, Two-Phase Intelli-Module™ With Quiet Switcher™ Technology



## Description

The MPC22161-120 is a two-phase, non-isolated, high-efficiency step-down power block.

The integrated driver MOSFETs and inductors provide high efficiency in a small footprint, which makes the MPC22161-120 ideal for server applications.

The MPC22161-120 has separate outputs. Two independent phases can be paralleled to achieve up to 120A (60A/phase) of continuous output current across a wide input voltage range.

The MPC22161-120 offers many features to simplify system design, and it works with controllers that have a tri-state PWM signal. The device also provides an accurate current sense to monitor the inductor current, and a temperature sense to report the junction temperature.

The MPC22161-120 is available in an LGA (9mmx10mmx7.65mm) package.

## Features & Benefits

- Quiet Switcher™ Technology (QST) Limits Peak Switching Voltages
- 4V to 16V Input Voltage Range
- Supports Up to 120A of Output Current
- Accu-Sense™ Current Sense
- Temperature Sense
- Accepts Tri-State PWM Signal
- Current-Limit Protection
- Over-Temperature Protection (OTP)
- Fault Reporting
- Available in an LGA-72 (9mmx10mmx7.65mm) Package