



SC8201 High Efficiency, Synchronous Boost Controller

1 Description

The SC8201 is a synchronous boost controller. It supports very wide input and output voltage range. The driver voltage is set to 10V to fully utilize external MOSFETs for highest efficiency.

The SC8201 supports input current limit, output current limit and over temperature protections to ensure safety under different abnormal conditions.

The SC8201 adopts 32 pin QFN 4x4 package.

3 Applications

- Power Bank
- USB PD
- Blue Tooth Speaker
- Industrial applications

2 Features

- High efficient boost operation
- Dynamic adjustable output voltage
- Wide input voltage range: 2.7 V to 30 V
- Wide output voltage range: 2.7V to 36V
- Integrated 10V, 2A gate driver
- Adjustable frequency 200kHz to 600kHz
- Internal inductor current limit
- Input and output current limit
- Dynamic voltage change for output
- Under voltage protection
- QFN-32 Package

4 Device Information

ORDER NUMBER	PACKAGE	BODY SIZE
SC8201QDER	32 pin QFN	4mm x 4mm x 0.75mm