

NCP81560

8 + 1 Phase Output Controller with SVID Interface for Computer CPU Applications

Product Overview

For complete documentation, see the data sheet.

The NCP81560 is a dual rail, eight plus one phase buck solution optimized for Intel's IMVP9.1 CPUs. The multiphase rail control system is based on DualEdge pulsewidth modulation (PWM) combined with DCR current sensing. This provides an ultrafast initial response to dynamic load events and reduced system cost. The NCP81560 has an ultralow offset current monitor amplifier with programmable offset compensation for high accuracy current monitoring.

Features

- High Impedance Differential Output Voltage Amplifier
- Differential Current Sense Amplifiers for Each Phase
- Programmable Adaptive Voltage Positioning (AVP)
- Digitally Stabilized Switching Frequency

Applications

- Computers

End Products

- Computing products

Part Electrical Specifications

Product	Pricing (\$/Unit)	Compliance	Status	Topology	Phases	Control Mode	V _{CC} Min (V)	V _{CC} Max (V)	f _{sw} Typ (kHz)	Package Type
NCP81560MNT XG		 	NEW	Step-Down			4.75	5.25		QFN-52