

Product Overview

NCP81276: Multi-Phase Synchronous Buck Controller with Power Saving Mode and PWM VID Interface

For complete documentation, see the data sheet.

The NCP81276 is a multiphase synchronous controller optimized for new generation computing and graphics processors. The device is capable of driving up to 4 phases and incorporates differential voltage and phase current sensing, adaptive voltage positioning and PWM_VID interface to provide and accurately regulated power for computer or graphic controllers. The integrated power saving interface (PSI) allows for the processors to set the controller in one of three modes, i.e. all phases on, dynamic phases shedding or fixed low phase count mode, to obtain high efficiency in light-load conditions. The dual edge PWM multiphase architecture ensures fast transient response and good dynamic current balance.

Applications

- GPU and CPU power
- Power Management for Graphic cards

End Products

- Desktop Computers
- Notebook Computers

Part Electrical Specifications

Product	Compliance	Status	Topology	Phases	Control Mode	V _{CC} Min (V)	V _{CC} Max (V)	f _{sw} Typ (kHz)	Package Type
NCP81276MNTXG	Pb-free Halide free	Active							QFN-40

For more information please contact your local sales support at www.onsemi.com.

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