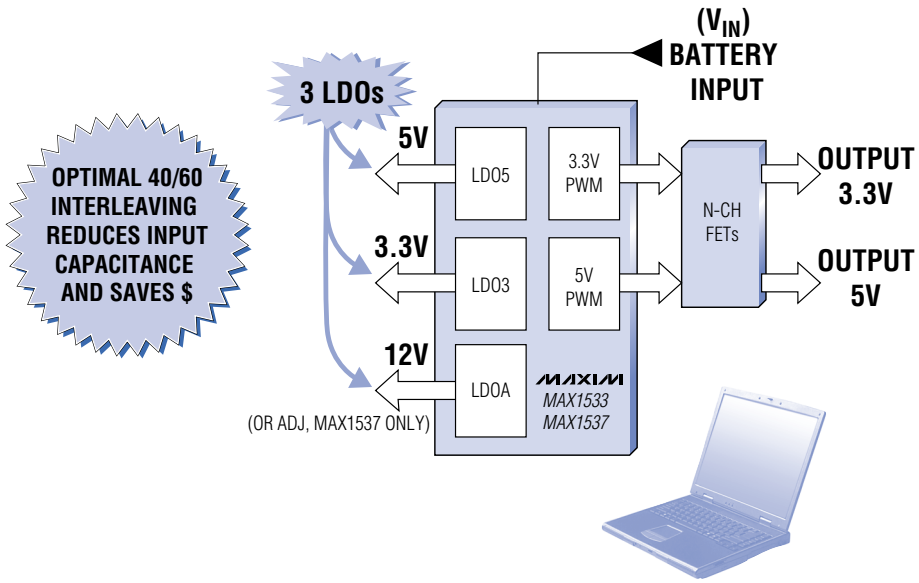
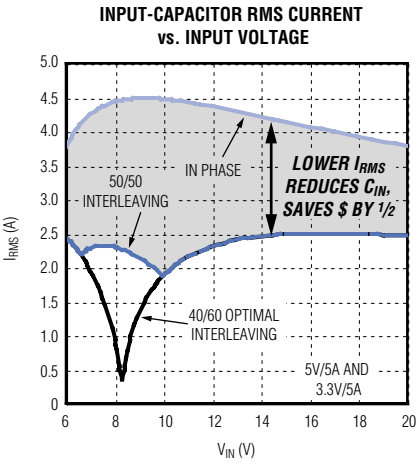
FIVE-OUTPUT MAIN POWER CONTROLLERS FOR NOTEBOOKS

Optimal Interleaving Minimizes Input Capacitance Requirements

The MAX1533/MAX1537 are dual step-down, switch-mode power-supply (SMPS) controllers with synchronous rectification. Each is intended for main 5V/3.3V power generation in battery-powered systems. Fixed-frequency operation with optimal interleaving minimizes input ripple current from the lowest input voltages up to the 26V maximum input voltage.





- Fixed-Frequency, Current-Mode Control
- Internal 5V and 3.3V Linear Regulators with 100mA Load Capability
- 40/60 Optimal Interleaving
- Accurate Differential Current-Sense Inputs
- Auxiliary 12V or Adjustable 150mA Linear Regulator (MAX1537 Only)
- Dual-Mode Feedback—3.3V/5V Fixed or Adjustable Output (Dual-Mode) Voltages
- 200kHz/300kHz/500kHz Switching Frequency

Part	Fixed LDO (100mA)	Aux LDO (150mA)	Pin-Package (mm x mm)	Price† ($)
MAX1533	3.3V/5V	n/a	32-QFN (5 x 5)	5.10
MAX1537	3.3V/5V	12V or adj	36-QFN (6 x 6)	5.20

†1000-up recommended resale. Prices provided are for design guidance and are FOB USA. International prices will differ due to local duties, taxes, and exchange rates. Not all packages are offered in 1k increments, and some may require minimum order quantities.

MAXIM

www.maxim-ic.com

FREE* Low-Power Notebook Design Guide—*Sent Within 24 Hours!

CALL TOLL-FREE 1-800-998-8800 (6:00 a.m.–6:00 p.m. PT)
For a Design Guide or Free Sample

MAXIM/DALLAS DIRECT! DISTRIBUTION
1-888-MAXIM-IC

ARROW ELECTRONICS, INC.
1-800-777-2776

AVNET CILICON
1-800-332-8638

Distributed by Maxim/Dallas Direct!, Arrow, Avnet Electronics Marketing, Digi-Key, and Newark.