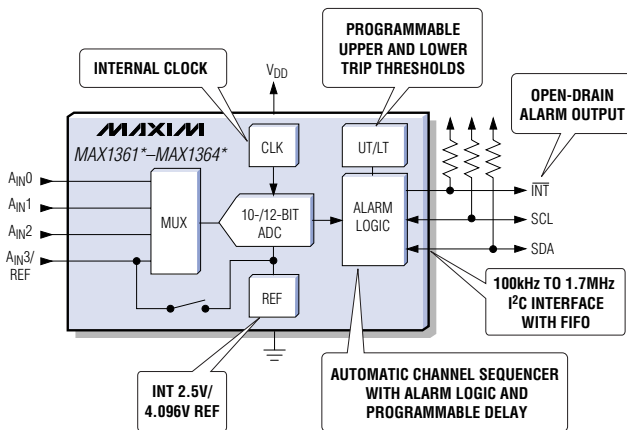
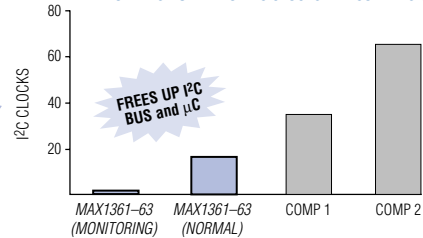


WORLD'S FASTEST I²C 10-/12-BIT ADCs WITH PROGRAMMABLE TRIP THRESHOLDS AND FIFO

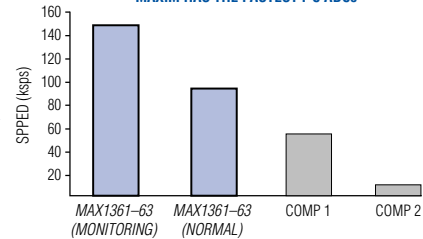
Automatically Monitor System Voltages at 150ksps with Minimal
I²C™ Bandwidth Requirements or Microcontroller Overhead



MAXIM LOWERS NUMBER OF I²C CLOCKS PER CONVERSION



MAXIM HAS THE FASTEST I²C ADCs



- ◆ User-Programmable Trip Thresholds
Independently Monitor System Voltages Without
μC Intervention
- ◆ Four Single-Ended or Two Differential Inputs
- ◆ SMBus™ Alert Response
Identifies Alarming Devices
- ◆ On-Chip FIFO Reduces I²C Overhead

Part	Resolution (Bits)	No. of Channels	Temp Sensor	Alarms	Speed (kSPS)	Supply Voltage (V)	Interface	Pin-Package	Price† (\$)
MAX1361/MAX1362*	10	4	N/A	Voltage	150	3/5	I ² C	10-μMAX	2.79
MAX1363*/MAX1364*	12	4	N/A	Voltage	150	3/5	I ² C	10-μMAX	*
MAX1153/MAX1154	10	8 + 2	Int/ext	Volts & temp	90	3/5	SPI™	16-TSSOP	3.50
MAX1253/MAX1254	12	8 + 2	Int/ext	Volts & temp	90	3/5	SPI	16-TSSOP	4.95

*Future products—contact factory for availability.

†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.

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SPI is a trademark of Motorola, Inc. SMBus is a trademark of Intel Corp.



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