

Analog, Digital, and Mixed-Signal Solutions from DC to GHz

1-Wire® and iButton® Devices (133 ICs)

- 1-Wire Devices
 - 1-Wire Interface Products
 - Battery Protectors, Selectors, and Monitors
 - Memory: EPROM, SRAM, EEPROM, ROM, NV SRAM, and Multifunction Memory
 - Temperature Sensors and Switches
 - Timekeeping and Real-Time Clocks
- iButtons and Accessories
 - iButton Mounting Options
 - iButton Products
 - iButton Readers and Adapters
 - iButton Starter Kits

Amplifiers and Comparators (475 ICs)

- Amplifiers
 - Amplifier + Comparator + Reference ICs
 - Current-Sense Amplifiers
 - Instrumentation/Difference Amplifiers
 - Operational Amplifiers
 - ALSO SEE: Audio and Video Products
- Comparators
 - Comparator + Reference ICs
 - Dual-Speed Comparators
- Sensor Interfaces

Analog Switches and Multiplexers (560 ICs)

- Audio/Video Multiplexers and Crosspoints (Active)
- Audio/Video Routing (Passive)
- Relay Drivers
- Switches and Multiplexers

Audio (107 ICs)

- Audio Crosspoints, Multiplexers, and Switches
- Audio Subsystems
- Audio/Video Routing (Passive)
- Click-and-Pop Suppression Amplifiers
- Headphone Amplifiers
- Microphone Amplifiers
- Speaker Amplifiers
- Volume Control

Automotive (560 ICs)

- Amplifiers
 - Current-Sense Amplifiers
 - Operational Amplifiers
- Analog Switches and Multiplexers
- Audio
- Data Converters
- Displays
 - Display Controllers
 - High-Brightness LED Drivers
 - LCD Display Backlighting
- Hot-Swap Controllers
- Interface
 - Controller Area Network (CAN)
 - Local Interconnect (LIN)
 - RS-232 Line Drivers/Receivers
 - RS-485/RS-422 Line Drivers/Receivers

- Power Management
 - DC-DC Switching Regulators
 - Linear Regulators
 - Microcontroller Supervisors
 - MOSFET Drivers
 - Multifunction PMICs
 - Overvoltage-Protection Controllers
- Real-Time Clocks
- Silicon Oscillators
- Thermal Management
- Video
- Wireless and RF

Clock Generation and Distribution (222 ICs)

- Clock Generation/Synthesis
- SONET/SDH Clock Synchronization
- Synchronous Ethernet
- Counters and Timers
- Delay Lines
- Oscillators
 - Die for Oscillator Modules
 - Silicon Oscillators
 - TCXOs, VCXOs

Data Converters and Sample-and-Holds (916 ICs)

- Analog-to-Digital Converters
 - Dual-Slope and Display-Oriented ADCs
 - High-Speed ADCs ($\geq 1\text{Msps}$)
 - Medium/Fast ADCs (Up to 1Msps)
 - Sigma-Delta ADCs
- Digital-to-Analog Converters and Sample-and-Holds
 - High-Speed DACs ($\geq 1\text{MHz}$)
 - Precision DACs
 - Sample-and-Holds for DAC Expansion
- Fast Codecs

Digital Potentiometers (132 ICs)

- Fiber Monitoring and Control
- Linear Taper
- Log Taper
- Programmable Precision Voltage Dividers

Fiber and Communications (102 ICs)

- Digital Potentiometers for Fiber Communications
- Fiber/Cable ICs
 - Clock Generators
 - Clock Recovery and Data Retimers
 - Equalizers
 - Laser Drivers
 - Limiting Amplifiers
 - Transimpedance Amplifiers
- Fiber Monitoring and Control
- High-Speed Interconnect (Differential Signaling)
- ALSO SEE: T/E Carrier and Packetized Products

Filters (Continuous and Switched Capacitor) (98 ICs) High-Frequency ASICs

Hot-Swap and Power Switching (247 ICs)

- Hot-Swap Controllers
- Power-over-Ethernet Solutions
 - Powered Devices
 - Powered Devices with PWM Controller
 - Power-Sourcing Equipment
- Power Switching
 - Battery-Source Selectors
 - Current-Limiting Protection
 - MOSFET Drivers, OR-ing FET Controllers
 - Overvoltage-Protection Controllers
 - Power-Plane/Card-Bus Switches
 - Relay Drivers
 - USB Power Switches

Interface and Interconnect (753 ICs)

- CAN and LIN
- High-Speed Interconnect (Differential Signaling)
- I/O Port Expanders
- IrDA
- Level Translators
- Multiprotocol Transceivers
- RS-232 Line Drivers/Receivers
- RS-485/RS-422 Line Drivers/Receivers
- Smart-Card Interface
- Terminators and Protectors
 - E1/T1 Termination
 - SCSI Terminators
 - Signal-Line Protectors
 - Switch Debouncers/Protectors
- UARTs
- USB
 - Analog Switches
 - Controllers
 - On-the-Go (OTG)
 - Power Switches
 - Transceivers

LED Lighting and LCD Display ICs (259 ICs)

- CCFL Controllers
- Direct-from-Battery LED/GPIO Drivers
- Display Driving Counters
- Dual-Slope and Display-Oriented ADCs
- Gamma Buffers
- High-Brightness LED Drivers
- LCD Power Supplies
- LED Display Drivers
- Segmented Display Drivers
- VCOM Drivers
- VFD Display Drivers
- White-LED Drivers

Memories: Volatile, NV, and Multifunction (110 ICs)

- 1-Wire Memory: EPROM, SRAM, EEPROM, and ROM
- Multifunction Serial Memory
- NV SRAM
- NV Timekeeping RAMs

(continued on back side)



www.maxim-ic.com

Maxim Direct: 1-888-629-4642

Analog, Digital, and Mixed-Signal Solutions from DC to GHz

(continued from front side)

Microcontrollers (High Speed and Secure) (81 ICs)

- Ultra-Low-Power, 16-Bit, MAXQ RISC Microcontrollers
- Utility Metering with Precision Analog
- Secure Microcontrollers with Code and Data Protection
- Networked Microcontrollers
- Classic 8051 Drop-In Microcontrollers

Military/Aerospace (SMD, 883B, and Ruggedized Plastic) (231 ICs)

- Amplifiers
- Analog Switches and Multiplexers
- Comparators
- Data Converters and Sample-and-Holds
- Filters (Continuous and Switched Capacitor)
- Hot-Swap and Power Switching
- Interface and Interconnect
- Power and Battery Management
- Protection and Isolation
- Supervisors, Voltage Monitors, and Sequencers
- Video
- Voltage References

Power and Battery Management (1647 ICs)

- Battery Management
 - Battery Chargers
 - Battery Fuel Gauges
 - Battery ID Products
 - Battery Protectors, Selectors, and Monitors
- Capacitor Charge Pumps
- DC-DC Switching Regulators
- Display and LED Power (See Display Drivers)
- Hot-Swap and Power Switching (See Hot-Swap and Power Switching)
- Isolated Power Supplies
- Linear Regulators
- MOSFET Drivers, OR-ing FET Controllers
- Multifunction PMICs
- Supervisors and Sequencers (See Supervisors, Voltage Monitors, and Sequencers)
- ALSO SEE: Voltage References

Powerline Networking (3 ICs)

Protection and Isolation (344 ICs)

- ±15kV ESD Protected
 - Analog Switches/Multiplexers
 - ESD-Protection Diodes
 - RS-232
 - RS-485/RS-422
- Isolation
 - Isolated Power Supplies
 - Isolated RS-232
 - Isolated RS-485/RS-422

- Overvoltage Fault Protected
 - Analog Switches/Multiplexers
 - Current-Limit Switches
 - Li+ Battery Protectors
 - Overvoltage-Protection Controllers
 - RS-485/RS-422 Transceivers
 - Signal-Line Protectors
 - SIM/Smart-Card Level Translators
 - Switch Debouncers/Protectors

Real-Time Clocks (85 ICs) Storage (16 ICs)

- SAS/SATA
- Enclosure Management

Supervisors, Voltage Monitors, and Sequencers (704 ICs)

- Microprocessor Supervisors
 - Multivoltage Monitors
 - Simple Reset/POR
 - Voltage Detectors and Battery Monitors
 - Watchdog Timers
- Nonvolatile RAM Controllers
- Power-Supply Sequencers and Voltage Trackers
- Regulator + Reset ICs
- Secure Supervisors
- Switch Debouncers/Protectors

T/E Carrier and Packetized Products (134 ICs)

- T1/E1/J1 Transmission
- T3/E3 Transmission
- Carrier Ethernet Transport
- TDM-over-Packet/Circuit Emulation
- ALSO SEE: Fiber and Communications

Thermal Management, Sensors, and Sensor Conditioners (151 ICs)

- iButton Temperature Loggers
- Sensor Signal Conditioners
- Thermal Management
 - Analog Temperature Sensors
 - Digital Temperature Sensors (Remote and Local)
 - Fan Controllers
 - Temperature Switches

Video (244 ICs)

- Audio/Video Routing (Passive)
 - Equalizers
 - H.264 Codecs
 - SCART Audio/Video Switches
 - Video Filters
 - Video Multiplexers and Crosspoints (Active)
 - Video On-Screen Display Generators
 - Video Signal Conditioners

- Video Signal Processing
- Video/Wideband Amplifiers
- Video/Wideband Buffers
- Video/Wideband Distribution Amplifiers
- Video/Wideband Line Drivers/Receivers

Voltage References (162 ICs)

- Amplifier + Comparator + Reference ICs
- Comparator + Reference ICs
- Voltage References

Wireless and RF (203 ICs)

- Amplifiers
 - ADC Drivers
 - CATV and Upstream Amplifiers
 - Low-Noise Amplifiers
 - Power Amplifiers/Drivers
 - Variable-Gain Amplifiers (VGAs)
- Detectors
- Mixers
 - Downconversion Mixers
 - Upconversion Mixers
- Quadrature Modulators and Demodulators
 - I/Q Demodulators
 - I/Q Modulators
- Receivers (Tuners)
 - Cellular
 - Digital Radio
 - Femto
 - GPS
 - ISM
 - STB and TV Tuners
- RF Power Detectors
- RF Predistortion ICs
- Transceivers
 - Cellular
 - Wi-Fi®/WLAN
 - WiMAX™
 - ISM
- Transmitters
 - Broadband
 - Cellular
 - Femto
 - ISM
- VCOs and VCO Buffers
 - VCOs
 - VCO Buffers and Splitters
- Vector Multipliers (Gain and Phase Adjusters)
- ALSO SEE: High-Frequency ASICs

Wi-Fi is a registered trademark of Wireless Ethernet Compatibility Alliance, Inc.
WiMAX is a trademark of the WiMAX Forum.

**Maxim Integrated Products, Corporate Headquarters • 120 San Gabriel Drive
Sunnyvale, California 94086 • 408-737-7600**