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LM TECHNOLOGIES
INNOVATIVE TECHNOLOGY PRODUCTS

BTL Audio Amplifiers offer up to 1.4W into 4Ω, shutdown mode, and pin-for-pin compatible packaging



The MAX9718/MAX9719 fully differential, bridged audio amplifiers ideal for portable audio applications where space is at a premium such as PDAs, cell phones, and smart phones. The MAX9718 is a single-channel amplifier, while the MAX9719 is a dual-channel amplifier for stereo systems. Both devices deliver 1.4W from a single 5V supply into a 4Ω load, and 475mW from a 3V supply into an 8Ω load.

The MAX9718/MAX9719 feature a differential-input structure, offering noise immunity to improve audio reproduction in devices such as cellular phones. The bridge-tied load (BTL) output stage drives the speaker differentially. This provides up to four times the output power of a conventional, single-ended output stage and eliminates the need for output-coupling capacitors, thus minimizing external component count.

Read more at [Maxim](#)

What is an iButton?



The iButton is a computer chip enclosed in a 16mm thick stainless steel can. Because of this unique and durable container, up-to-date information can travel with a person or object anywhere they go.

By simply touching the iButton to the two contacts, you can communicate with it through Maxim's 1-Wire protocol. The 1-Wire interface has two communication speeds: standard mode at 16kbps, and overdrive mode at 142kbps.

Each iButton has a unique and unalterable address laser etched onto its chip inside the can. The address (e.g. 2700000095C33108) can be used as a key or identifier for each iButton.

The iButton product line comprises over 20 different products with different functionality. iButtons come in the following varieties: Address Only, Memory, Real-Time Clock, Secure and Data Loggers.

The silicon chip within the iButton is protected by the ultimate durable material: stainless steel. You can drop an iButton, step on it, or scratch it. The iButton is wear-tested for 10-year durability.

Read more at [Maxim](#)

GPS RADIONOVA M10264 RF Antenna Module



Antenova's GPS RADIONOVA M10264 RF Antenna Module is a single package solution to combine RF and passive antenna on the same module. The M10264 is a highly integrated GPS RF Antenna Module suitable for L1-band GPS and A-GPS systems.

M10264 is supported by SiRF stand alone software and uses a UART as the host processor interface. The M10264 also incorporates an antenna switch with built-in current sensing for optional active antenna connection.

Applications:

- Personal Navigation Devices (PNDs)
- Portable Media Players (PMPs)
- Personal Digital Assistants (PDAs)
- Feature phones / Smart phones
- Ultra Mobile Devices (UMDs)
- Mobile Internet Devices (MIDs)
- Asset Tracking
- Personal Safety

Read more at [Antenova](#)

Ember Unveils Industry's Highest Performance ZigBee Chips



Ember announced that it has reached a key milestone in its quest to become the world's foremost provider of ZigBee technology for smart meters and Home Area Network (HAN) products. It became the first company to ship more than 10 million ZigBee wireless chips. This milestone is reflected in the company's record revenues and sales bookings, making Ember well positioned for almost 300% annual revenue growth in 2010.

Ember's spectacular ramp has been driven by large-scale deployments of smart energy technologies by utilities, device manufacturers, and smart home products for applications in energy management and home security, monitoring and automation.

Read more at [Ember](#)



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