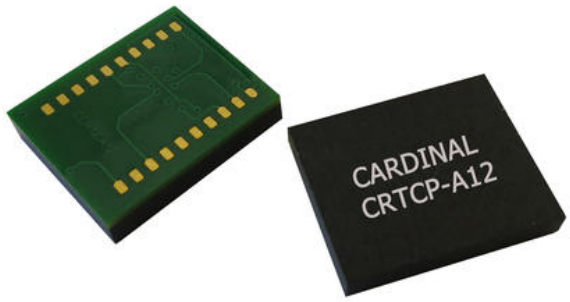
RTP Line Integrates Real Time Clock, Crystal, and Solid State Battery with Re-Charging Circuit

WDD Staff



Cardinal Components [1] (Wayne, NJ) is introducing a new functional module product line called Real Time Plus (RTP).

The Real Time Clock features:

- Two-wire I2C control.
- RoHS Solid State Battery (ENERCHIP enabled).
- Trickle charge-recharging circuit.
- Power management circuit.
- 32 kHz watch crystal.
- SMD package (also available in a plastic LGA).
- 8 Bytes of Ram.
- 2 Bytes of EEPRO.
- Discrete plastic Surface Mount 10 x 12 mm package.

Initial introduction includes three versions: the CRTPN05 with 4-day battery backup, the CRTPA12 with 20-day backup, and the CRTPA50 datasheet with 90-day backup. Cardinal's Real Time Plus saves design time, board space, and cost, and it provides customers the ability for further system integration. Its unique features make the RTP a good fit for a host of markets, including consumer electronics, industrial, commercial, aerospace, agricultural, medical, and military.

Applications:

- Smart energy.
- Eco-friendly.
- Energy harvesting.
- Micro-robotic vehicles.
- Perimeter security.

- Border intrusion networks.
- Metering.
- Wearables.
- Instrumentation.
- Aircraft monitoring.
- Telemedicine.
- Implantable medical devices.
- Green technologies.
- ATMs.
- POS systems.
- Surveillance and safety monitoring systems.
- Data logging.
- Time keeping/stamping.
- Ticketing systems.
- Portable and battery operated devices.
- White goods.
- Wireless networks.

Future products will also incorporate EEPROM memory, oscillators, power management, communications interface, controls, and other sensors integrated in a new plastic surface-mount style package.

For more information, please visit www.cardinalxtal.com [1]

Source URL (retrieved on *09/18/2014 - 8:11am*):
http://www.wirelessdesignmag.com/product-releases/2013/10/rtp-line-integrates-real-time-clock-crystal-and-solid-state-battery-re-charging-circuit

Links:
[1] http://www.cardinalxtal.com