

## **Atlantik Elektronik presents the low voltage 1.5V battery Flash MCU**

### **New Flash type devices for low-power applications**

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Atlantik Elektronik presents Holtek's brand new HT6xF0M Low Voltage 1.5V Battery Flash MCU. HT66F03M/HT66F04M have an integrated A/D converter, while HT68F03M/HT68F04M are intended for applications that need many I/Os.

All devices in the series include an internal DC-DC converter which can operate with an input voltage down to 0.7V and which provides an output voltage of 3.0V that can supply power not only to the MCU device but also to external components.

This device series has a Flash Program Memory capacity of 1K x 14 ~ 2K x 15, 64 or 96 bytes of SRAM Data Memory, 8 I/O pins, a pair of internal comparators, and an internal high frequency RC oscillator.

Excellent flexibility in oscillator functions is provided with five oscillator options: high frequency crystal, low frequency crystal, external RC, internal low frequency RC and internal high frequency RC.

This latter high frequency internal RC oscillator has fixed 4MHz, 8MHz and 12MHz frequencies with an accuracy of +/-2 percent. The ability to dynamically switch between low and high speed operation allows the user to achieve the optimum performance/power ratio.

The HT68F0xM and HT66F0xM series devices all include Holtek's new multi-function timer modules that are capable of providing functions such as Input Capture, Compare Match Output, Timer/Event Counting, Single Pulse Generation, and PWM signal generation.

The A/D type HT66F0xM also contains an internal 12-bit high speed ADC and internal voltage reference function. Supplied in 16-pin NSOP package types and with the special features of multi-function I/O, low power, low cost and high efficiency, this device series will see excellent use in the power applications area such as battery-powered portable and consumer products.

"With Holtek's brand new 8-bit MCU flash type devices, Atlantik Elektronik will offer excellent solutions for applications that require low voltage operation, high efficiency and low ripple", explains Ottmar Flach, CEO of Atlantik Elektronik.

Characters: 2.132 (with spaces)

#### **About Atlantik Elektronik GmbH**

Atlantik Elektronik is a company of the Atlantik Networxx Group. The company is marketer and design-in-specialist of innovative semiconductors and semiconductor solutions, specifically for High-End-Markets, and also provides engineering solutions and production capacities to customers. Atlantik is a trendscout for new developments and new technologies. The competences and the product portfolio of the company are in the field of Embedded Microcontroller, Wireless, Connectivity, Infotainment and System Solutions.

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