Fujitsu expands lineup of 8-bit LCD driving microcontrollers

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Fujitsu Semiconductor today announced the forthcoming release of a new series of high performance 8-bit microcontrollers with segment-display LCD controller built in.

This new series is regarded as a member of the F^{2}MC-8FX family. This series includes 12 products from the 64-pin MB95470 series and 6 products from the 80-pin MB95410 series. Samples of these new products are available in early November 2010 and product shipment will commence in January next year.

With the growing popularity of segment-display panels in household appliances such as air-conditioners, washing machines, refrigerators and microwave ovens, instruments such as a temperature controller with an attached LCD display are becoming a trend, which raises the need for a low-cost microcontroller with LCD control function.

To meet market demand, Fujitsu Semiconductor has developed the 64-pin MB95470 Series and the 80-pin MB95410 Series, of which the operating conditions are 2.4 V ~ 5.5 V. Based on the 8-bit microcontroller of the F^{2}MC-8FX family, this series of products incorporates flash memory with security functions, as well as LCD control capabilities.

In addition to the LCD control function, the MB95470 Series and MB95410 Series products are also equipped with highly compatible timers, analog comparator, high precision AC/DC converter and

oscillation circuit, aiming to significantly lower the cost on the customer's side by reducing system configuration components.

As these products adopt the 1-wire on-chip debug function, users only have to use a small number of pins to perform debugging during product development.

More information: www.fujitsu.com/cn/fsp/services/mcu/mb95/

Source: Fujitsu