imall

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832 Email & Skype: info@chipsmall.com Web: www.chipsmall.com Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China





MPQ-AVR32

Four Port In-System Programmer for Atmel AVR32 Microcontrollers

The MPQ-AVR32 is a member of RPM's family of dedicated in-system device programmers. Like all MPQ's, it is designed to be reliable, efficient, flexible and cost effective - all of the features you require in a manufacturing programmer.

Fast and Portable

Up to four different target images can be stored in the programmer's internal Flash memory, allowing faster programming times and standalone operation. In addition, our adaptive programming algorithm provides the fastest programming time for each image, while ensuring the image integrity of each device programmed.

Program Four Devices Simultaneously

Four port programming allows each MPQ to program the same image on up to four separate target devices simultaneously, increasing manufacturing throughput fourfold. Up to 16 MPQ's can be interconnected in an array to allow programming of up to 64 devices simultaneously.

Stand-alone, ATE-Controlled or PC-Controlled

MPQ can be operated stand-alone (just press a button to initiate programming), directly from a host PC using MPManager software, or under the control of your Automated Test Equipment (ATE) system.

Supports JTAG Programming

MPQ-AVR32 provides fast, reliable JTAG programming of both microcontroller *Flash and User memories*, as well as fuse-programmable chip options. No USB boot loader is required.



Rugged and Ready for Manufacturing World Wide

Features like an extruded aluminum chassis, universal power supply and extensive electrical protection ensure that MPQ-AVR32 will be at home in any manufacturing environment.

Secure Image Management

Secure your programming images, preventing them from being read back from the programmer, and define a maximum number of parts to be programmed from each image. Send your MPQ to CM's anywhere in the world without worry.

Powerful Software - Field Upgradable

MPQ-AVR32 comes complete with MPManager software to provide programmer configuration and image management, PC-controlled device programming, and more. MPManager also provides the ability to upgrade your MPQ-AVR32 programmer on site as support for new devices is released by RPM.

Autoserialization

MPQ-AVR32 supports on-the-fly image modification, allowing each device to be programmed with a unique serial number, MAC address, IP address, etc.

RPM Systems Corporation Suite A-5 17371 Northeast 67th Court Redmond, Washington 98052, USA Ph: (425)869-3901 Web: http://www.rpmsys.com/mpq.html E-mail: sales@rpmsys.com

MPQ-AVR32 In-System Programmer

Full Memory Programming Speeds for Selected Devices					
	AT32UC3B064	AT32UC3A0256	AT32UB3A0512		
Operation	(64 Kb)	(256 Kb)	(512 Kb)		
Erase / Program / Verify	55	19s	35s		
Times shown are maximum times to eras	e, program and verify four d	levices using maximum si	ze program images for eacl	h device.	

Actual programming times may be longer or shorter depending upon the image content.

Supported Devices

AT32UC3A0128, AT32UC3A1128, AT32UC3A0256, AT32UC3A1256, AT32UC3A0512, AT32UC3A1512

AT32UC3A364, AT32UC3A364S, AT32UC3A3128, AT32UC3A3128S, AT32UC3A3256, AT32UC3A3256S, AT32UC3A464, AT32UC3A464S, AT32UC3A4128, AT32UC3A4128S, AT32UC3A4256

AT32UC3B064, AT32UC3B164, AT32UC3B0128, AT32UC3B1128, AT32UC3B0256, AT32UC3B1256, AT32UC3B0512, AT32UC3B1512

AT32UC3C064C, AT32UC3C164C, AT32UC3C264C, AT32UC3C0128C, AT32UC3C1128C, AT32UC3C2128C, AT32UC3C0256C, AT32UC3C1256C, AT32UC3C2256C, AT32UC3C0512C, AT32UC3C1512C, AT32UC3C2512C

AT32UC3L016, AT32UC3L032, AT32UC3L064

Specifications

Target Vio Voltage Range:	3.0 to 3.6VDC
Power Supply:	100 to 240VAC, 50/60Hz **
Operating Temperature Range:	0° C to +65°C

Software Support			
RPM Systems <i>MPManager</i> Software • Programmer Image Management • Programmer Configuration • PC-Controlled Programming • Windows [™] 98, NT, 2000, XP, 7	MPQ Programmers are also available for these popular microcontroller families: • Cypress PSoC/3/5, enCoRe II/III/V • Silicon Labs C8051F series • Zilog Z8 Encore, ZNeo, Crimzon • ARM • Atmel AVR		

** MPQ-PS Power Supply included with MPQ-AVR32