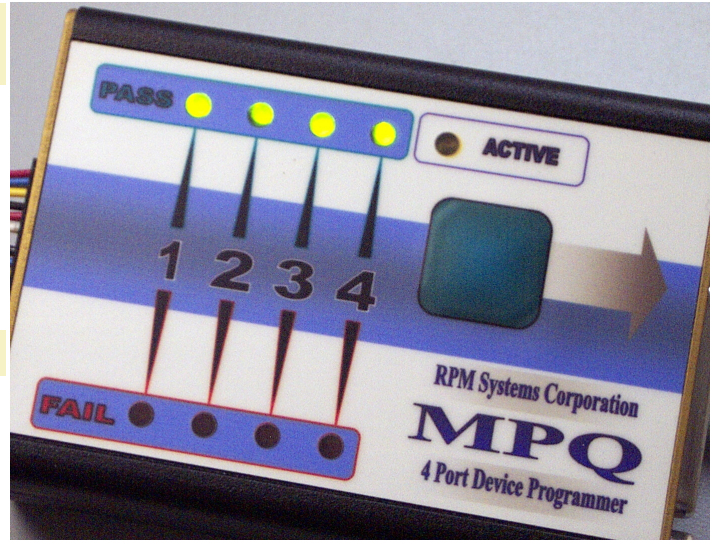# MPQ-ZNeo

Four Port
In-System Programmer
for
ZiLOG ZNeo™

The MPQ-ZNeo 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 Multiple 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 may be configured in an array, to allow programming of up to 64 devices simultaneously.

Stand-alone, ATE-Controlled or PC-Controlled

MPQ-ZNeo 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.

Full Range of Voltage and Frequency Support

MPQ-ZNeo is compatible with the full range of ZNeo power supply voltages, from 2.7 to 3.6V, and operates with any supported target system clock frequency from 32KHz to 20MHz.

Rugged and Ready for Manufacturing World Wide

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

Powerful Software - Field Upgradable

MPQ-ZNeo 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-ZNeo programmer on site as support for new devices is released by RPM.

Reliable, Efficient and Affordable

MPQ-ZNeo is a rock-solid four-port manufacturing programmer with internal data storage. It's also priced below $500.*

* Quantity 1 U.S., FOB Redmond, Washington

MPQ-ZNeo In-System Programmer

Full Memory Programming Speeds for Selected Devices

Verify Method	Z16F2811 (128MB - 18MHz)	Z16F6411 (64MB - 18MHz)	Z16F3211 (32MB - 18MHz)
Program / CRC Verify	19 Seconds	11 Seconds	6 Seconds
Program / Read Verify	37 Seconds	21 Seconds	11 Seconds

Times shown are to erase, program and verify four devices using maximum size program images for each device. Actual times will vary depending upon the image content.

Supported Devices

Z16F2810, Z16F2811, Z16F3211, Z16F6411

Specifications

Target Voltage Range:	2.70 to 3.6VDC
Target Frequency Range :	32KHz to 20MHz
Power Supply:	100 to 240VAC, 50/60Hz **
Operating Temperature Range:	0°C to +65°C

Software Support

RPM Systems *MPManager* Software

• Progammer Image Management

• Programmer Configuration

• PC-Controlled Programming

• Windows™ 98, NT, 2000, XP

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