

Product name : Race100 Serial Flash Gang Programmer



Description :

Race100 is a professional Gang Programmer dedicated and optimized for the Serial Flash memories. With the highest market performances and highest sockets parallelism, it offers the lowest possible programming cost for serial flash memories you could find in the market. The Programming time is in average 8 times faster than the Universal Gang Programmers, the sockets parallelism often 5 times bigger, increasing finally your Throughput capability by 40 with the same investment.

General

User Interface: Socket Operation Status on LED (Pass, Running, Error), Keypad control, project management and production information on Gang LCD Display or PC monitor.

Power: AC Voltage 100-240 VAC (50-60 Hz)

Dimensions: Race100-S20 Width 50cm x height 7.2cm x depth 30.5cm. Race100-S8 & Race100-S4 Width 37cm x height 7.2cm x depth 24.5cm

Memories Supported: all the Serial Flash (packages and families)

Software

Required: Race100SW

File Type: binary, hex, Motorola

Features: data editor, revision history, device and algorithm information, project setting, review/reset socket counter history, project history display and save to a file, standalone mode project configuration :load the image file with Checksum and define the operations on memory (all combination between: Blank Check, Erase, Program, Verify, Vpp support, protection)

Standalone mode

Device Operation: operate the pre-configured operation setting from the SD card in manual start or auto start after chips insertion

Features: select project , display projects list, checksum, programming configuration setting, “socket counter” history (cycling, Pass, fail), “project counter” history, reset counters history

Features

Stand Alone mode controlled by Keyboard and wide LCD display.

Easy to use: Define on computer and Load projects (Image and operations) to SD card. Operators only have to insert the SD card in the Race100 and select the project to be used. Race100 will run the project in Stand Alone mode (no need of computer).

Three advanced Working modes:

“Manual Start” Mode: Sockets of the same cartridge work as a group. Operator has to press the “Start Button” of the Cartridge to start the operations on all the sockets. This mode reduces the risk of operator manual mistake on the working sockets.

“Auto Socket Start” Mode: Each socket works independently, detects automatically the memory when inserted and start the operations instantly according to the project definition. This mode ensures the best throughput.

“Auto Cartridge Start” Mode: Auto start when the 4 sockets of a cartridge are all filled with Serial flash memories.

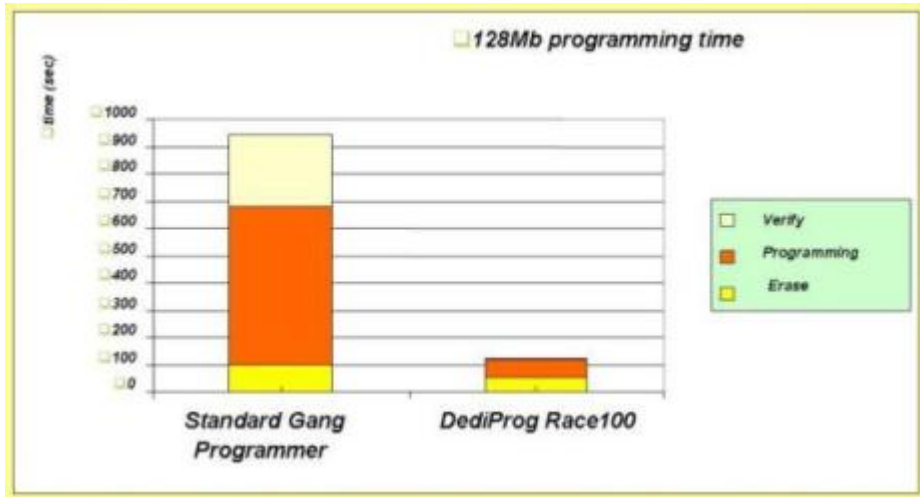
Production information in Real time: on Gang LCD display or PC monitor Best programming

Quality and Reliability: ESD and over current protection, wrong insertion detection, self diagnostic etc. ensure the best signals quality and reliability.

Performance

Highest Performance in the industry

Race100 Performance(with Vpp enabled)								
Serial Flash Densities	1Mb	2Mb	4Mb	8Mb	16Mb	32Mb	64Mb	128Mb
P+V (seconds)	0.6	1	2	3	8	15	16	75



Optional Purchase :

Socket Cartridges

Standard: SKT25-SOP8-150, SKT25-SOP8-207, SKT25-SOP16-300, SKT25-WSON56, SKT25-WSON68

STM and ATMEL 45 series serial flash: SKT45-SOP8-207, SKT45-SOP8-150, SKT45-SOP16-300, SKT45-WSON56, SKT45-WSON68