

High Programming Speed > 1.6GB/SEC x 8PCS

# SG8000



## Fast Universal High-Volume Production Programmer

- Designed with high programming speed architecture, Band Width is fast than 1.6GB/sec
- Flexible Bottom Board embedded, supports Memory and MCU devices by Gang 8
- Universal program platform, support Nor/Nand/EPROM/EEPROM /eMMC/MCU/PLD/CPLD/FPGA....
- Support PC Remote and Standalone operation mode, easy to engineer test and mass production
- High performance Serial Code Program and friendly Project Management Log and Statistics Report
- Enhanced Image Builder for image file buildup included ECC, bad block management
- Support customized ISP program

[www.sg.com.tw](http://www.sg.com.tw)

 **SYSTEM  
GENERAL**

SG8000

HIGH QUALITY! HIGH STABILITY! WIDE RANGE OF IC COVERAGE!

# SG8000

## SG8000 Accessories



The figure below illustrates the interconnections of the SG8000

### AG01 Bottom Board

Bottom board supports SPI, NOR, MCU and directly plug on main frame programmer, up to 8 socket card allowed



"AG" type socket card



"AG" type socket card

**"AG" type socket card**  
Package socket card plug into AG 01/02 Bottom Board, up to 8 socket card installed

### AG02 Bottom Board

Bottom board supports eMMC and directly plug on main frame programmer, up to 8 socket card allowed



"S" type socket card



AG01 Bottom Board



AG02 Bottom Board



"ISP" socket card

**"ISP" socket card**  
Support ISP program and directly plug on main frame programmer



Main Frame Programmer

### "S" type socket card

Single package socket card plug directly into the programmer mainframe

### Main Frame Programmer

The programmer can be connected directly to a PC, or it can work stand alone without PC

### Device Support

EPROM,EEPROM,NOR,NAND,MoviNAND,iNAND,eMMC,eSD,GBNAND,SD,MMC,OneNAND,PLD,CPLD,FPGA

### NAND Bad Block Handling

-Skip=Block technique included  
-Add-on package of manufacturer approved NAND Flash bad block handling methods available.

### Supports All Popular Programming Function

Program, Read, Verify, Blank Check, Illegal Bit Check, Erase, Secure, Pin Continually

### Optional System General Software

NAND Bad Block  
Schemes Serial Number Server  
Data Mapper  
Version Control

### SG8000 Specifications

#### Communication Interface

-RJ45 connector  
-USB connector

#### Electrical Requirements

-Operating Voltage: 110 to 240 VAC  
-Power Consumption: 37.5 watts  
-Frequency Range: 50 to 60 Hz

#### Physical Specifications

-Width: 16.0cm  
-Depth: 22.6cm  
-Height: 6.9cm  
-Weight: 2kgs

#### Environmental

-Normal office environment/power

#### Temperature

-Operating: 0° to +50°C  
-Transportation: -4° to +70°C  
-Storage: 0° to 70°

#### Humidity

-Operating: up to 70% non-condensing  
-Storage: up to 80% non-condensing

#### Service

-One year warranty

#### Computer Requirements:

-Operating System: Win XP, Win7, Win10  
-SD Card slot (used for project card, optional)  
-Network interface  
-USB interface  
-CD ROM Drive  
-Serial or USB mouse

#### Standard Components

SG8000 main unit  
AC power cord  
USB2.0 cable  
Ethernet cable  
Driver CD  
Instruction for Use (this manual)



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