

# ALL-300G2 Universal Gang Programmer

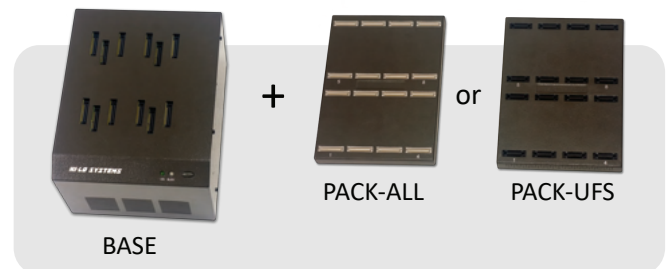
## Support eMMC / UFS

- Excellent programming performance on high-density NAND Flash and eMMC
- Support UFS 2.0, UFS 2.1, UFS 3.0, and UFS 3.1
- Support up to 16 sockets
- USB3.1 Gen 1 (USB3.0) transferring interface significantly increase the programming speed
- Full IC pin contact check prevents bad contact in socket or IC damage from reversed placement
- Best for small to medium volume, high density device programming production



## Support UFS device simply by changing the PACK

- Support UFS 2.0, UFS 2.1, UFS 3.0, and UFS 3.1
- Support MIPI M-PHY V3.0
- UniPro Specification V1.6
- UFS Card Extension V1.0
- Support 2 Lane Gear 3 (Rate A / Rate B)
- Support 19.2MHz / 26MHz RCLK frequency
- Support UFS LUN read/write
- Support all settings such as Descriptor and Attributes
- 64G internal memory (expandable)
- Support USB 3.1 Gen1 with download speed up to 280 MB/s



### Ultra high UFS programming speed

- Program speed up to 230 MB/s
- Verify speed up to 880 MB/s

Data size	Program	Verify
8G	43s	10s
16G	84s	19s

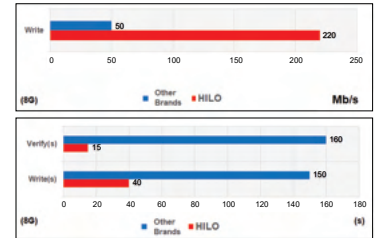
## Features

### Support wide range of IC devices and packages

- Device supported: UFS, eMMC, eMCP, MCU/MPU, EEPROM, SPI, Memory, NOR/NAND Flash, FPGA, CPLD, etc.
- Package supported: SOP, TSOP, QFP, BGA, QFN, SON, WLCSOP, etc.

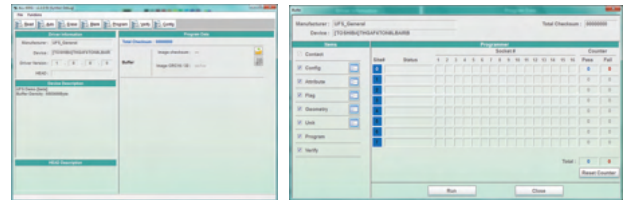
## Excellent programming performance

- Cutting-edge programming core delivers the fastest and most stable programming performance on high-density NAND Flash and eMMC
- Three times faster than competitors' programmer in the case of high-density NAND Flash and eMMC
- Four times faster than competitors' programmer in the case of UFS device
- Full IC pin contact check prevents bad contact in socket or IC damage from reversed placement



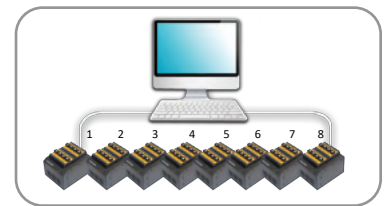
## User-friendly software interface

- Intuitive graphical user interface
- Clear display of each function in the entire programming procedure
- Display details and status of each device during programming



## Expansion flexibility for production

- One computer can connect to 8 units of ALL-300G2 at the same time
- Up to 128 devices can be programmed simultaneously



## Specification

Device supported	UFS, eMMC, eMCP, MCU/MPU, NOR/NAND Flash EEPROM, SPI Memory, FPGA, CPLD, etc.
Package supported	DIP, SDIP, SOP, SSOP, TSOP, PLCC, QFP, QFN, SON, BGA, WLCSP, etc.
Support IC pin count	8 pins ~ 300 pins
Socket number	Support up to 16 sockets
Key functions	Load File, Read Master, Program, Verify, Auto, ID Check, Checksum, Blank Check, Erase, Secure, Protect / Unprotect, Edit, Function Configuration, Self Test, etc.
Data transfer interface	USB 2.0, USB 3.1 Gen1 (USB3.0)
Compatible OS	Windows 7, 10
Power	AC 100 - 240V / 50 - 60Hz
Power consumption	150W
Operation temperature	0 ~ 40°C (32 ~ 105°F)
Dimension	With PACK-ALL: W205 x D250 x H161 (mm) With PACK-UFS: W205 x D250 x H164 (mm)
Weight	3.5 kg
Certification	CE certified

2022.03 version

**HI-LO SYSTEMS**

### Headquarters

Hi-Lo System Research Co. Ltd.  
4F., No. 18, Ln. 76, Rueiguang Rd.,  
Neihu Dist., Taipei City 11491, Taiwan (R.O.C.)  
Tel: +886-2-8792-3301  
sales@hilosystems.com.tw

**Hi-Lo Systems Shenzhen**  
/Shenzhen Programming Center  
Zone A, 2F, Building H, Gang Zhi  
Long Technology Park, Qinglong Rd.,  
Longhua New Dist., Shenzhen City,  
Guangdong Province, China  
Tel: +86-755-8253-6987  
Solution@hilosystems.cn

**Taipei Programming Center**  
5F., No. 110, Ruiguang Rd.,  
Neihu Dist., Taipei City 114062,  
Taiwan (R.O.C.)  
Tel: +886-2-8792-3301  
service4@ms1.hilosystems.com.tw

**Hi-Lo Systems Suzhou**  
/Suzhou Testing Center  
C block, No.66 Wangmi Street,  
Huqiu District, Suzhou Shi,  
Jiangsu Sheng, China  
Tel: +86-512-6920-3003  
Solution@hilosystems.cn

**Hsinchu Testing Center**  
2F.-12, No. 81, Shuili Rd.,  
East Dist., Hsinchu City 300053,  
Taiwan (R.O.C.)  
Tel: +886-3-516-9032  
service2@hilosystems.com.tw

**Falcon Denshi K.K.(Japan)**  
1-1-20 Kounandai Kounan-Ku,  
Yokohama-shi Kanagawa  
Japan Zip 234-0054  
Tel: +81-45-367-8326  
info@falcon-denshi.co.jp

**Tainan Programming Center**  
2F., No. 100, Gongye 2nd Rd.,  
Annan Dist., Tainan City 709015,  
Taiwan (R.O.C.)  
Tel: +886-6-384-0509  
hilosale@hilosystems.com.tw

**USA HI-LO Systems**  
1608 Virginia Dr., Manhattan,  
KS 66502 USA  
Tel: +1-785-320-6992  
sales@hilosystems.com

**Hong Kong Programming Center**  
B2~B4, 8/F, Lladro Centre, No. 72,  
Hoi Yuen Rd., Kwun Tong,  
Kowloon, Hong Kong  
Tel: +852-3568-4001  
service@hilosystems.com.hk

