

# SU-320

## Stand-alone Universal & Gang Programmer / High-Expansion Flexibility /

### Introduction

SU-320 is high speed programming for design engineering and small production. It supports PC-based and Stand-alone programming mode which through LCD and keypad download the file to the inside 2 GB memory. Moreover, SU-320 adopts modular design. If with the universal DIP module, you can just use general type adapter on the market for different package. Or you can select gang module for 2-4 site programming.



- Standard Accessories**
- Main unit.....x1
  - CD.....x1  
(Driver and user manual are included)
  - AC power cord.....x1
  - Power Adaptor DC 5V/2A 10W.....x1
  - SU-3280-DIP48, Universal DIP-48 module.....x1

### Features

- Provides with DUT 75MHz bandwidth and <math>\pm 2.5\text{nS}</math> signal skew.
- Provides the stand-alone mode operation. Just use 5 keys and 20x4 LCD, you can select a project and start to program.
- Portable and compact design allow you to use everywhere.
- Provides IC insertion test and contact check before programming. Under the AUTO mode, just insert the IC, SU-320 will start the processes automatically.
- Provides high-expansion flexibility modular design. It can use as single-side universal programmer or SPI gang programmer.
- Provides mass-production-oriented software. There is used a project file to control to minimize the operator error. Moreover, the log file help the production managements.

### Specification

Power Signal:
• Logic Signal Level : 1.5V~6.0V,10mV
• IOL,I/OH Current : 10mA
• Logic Signal Frequency : 75MHz (3-5V) / 60MHz (2.5V) / 45MHz (1.8V) / 25MHz (1.5V)
• Signal Skew : <math>\pm 2.5\text{nS}</math> (3-5V)
• Clock : 0Hz~75MHz
• VDD & VIO Level : 1.5V~6.5V,10mV
• IDD & IIO Current : 400mA
• VPP & VHH Level: 1.5V~15.5V,20mV
• IPP & IHH Current: 150mA
Display: 20X4 Character LCD / WORK & PASS LED
Button : Direction key x 4. START key with light x 1
Embedded Memory : 2GBytes FLASH
Module Dimension : 120mm(L) × 75mm(W)
SU-320 Dimension : 240mm(L) × 115mm(W) × 60mm(H)
Weight : 1.1 kg
Support Device : NAND, NOR FLASH, SPI EPROM, EEPROM, MPU, MCU, CPLD, NV-RAM...
Support File format : Binary/Machine Code, Intel HEX, TEK HEX, Motorola HEX

### Optional Accessories

- BGA, uBGA, SON, WSON, QFN(MLF), TSOP, TSSOP, SOP, VSOP...adapters
- BGA64-29-X4(10x13), BGA64-29-X4(11x13), BGA64-29-X4(9x9), BGA64-J3-P3-X4(10x13), BGA64-J3-P3-X4(10x8), NOR-TSOP48-X4, NOR-TSOP56-29-X4, NOR-TSOP56-J3-X4, NOR-TSOP56-P3-X4, SFLASH-SOP16-X4, SFLASH-BGA24-4x6B-X4, SFLASH-BGA24-5x5B-X4, S OP8-207-X4, SOP8-150-X4, SON8-4x4-X4, WSON8-1.97x2.46-X4, WSON8-2x3-X4, WSON8-5x6-X4, WSON8-6x8-X4...adapters

### PC System Requirement

Operating System	Windows 10 / 8 / 7 / Vista / XP ( 32bits & 64bits )
Processor	Pentium 4 above
Memory	2 GB RAM above
Hard Disk	Main program 500MB above / Buffer 2GB above
Communication	USB 2.0 High Speed

