



ESA GP8-XP

GANG PROGRAMMER



The ESA GP8-XP is a gang programmer, which works through the PC's USB port or parallel port. It features 8 fully isolated 48-pin ZIF sockets, extremely high throughput, standard 5V and 3V chip support, device insertion and continuity check. With PC-based design and device update through software provides flexible and quick access to the new chip support. ESA GP8-XP supports EPROM, EEPROM, FLASH in the introduction. Future software update will include 87C5x, 89C5x, and PIC16Cxx microprocessor.

The ESA GP8-XP has flexible design.

For special chips that are not in the standard support list, a special program is provided that allow the ESA GP8-XP to become a customized special chip production gang programmer.

MAIN FEATURES

- ★ 8 independent fully isolated 48-pin ZIF sockets
- ★ Support Flash, EPROM, EEPROM, Microprocessor with 5 volts and 3 volts
- ★ Program 8 pieces 8 MB Flash chips within 45 seconds
- ★ Auto-sense, self-start with standard/semi-concurrent mode
- ★ Independent modules allow flexible configuration
- ★ Universal adapters for 48TSOP/44PSOP/40TSOP Flash chips support
- ★ Customized MCU support
- ★ Device insertion and continuity test
- ★ Project file save/load function
- ★ Software update via Internet
- ★ USB or parallel port interface with auto-switch power supply
- ★ Optional handler interface
- ★ Windows 98SE/ME/2000, windows XP (USB port)
- ★ Supports OS : Windows 95/98/ME/2000, windows XP and NT (Parallel port)

DEVICE SUPPORT

Generic EPROM: 27xxx series, 32K to 32Mb, 8/16-bit width.

Flash EPROM: support NOR, NAND, AND, DI-NOR, EEPROM technology. 29xxx, 5V/3V Flash, 28Fxxx 12V/5V/3V Flash from all major vendors.

Microprocessor: (Future release through software update) Intel 87C5x compatible, ATMEL 89C5x compatible, Microchip PIC16Cxx.

Fully isolated ZIF socket

Each socket's address, data bus, control lines, power supply and programming voltage of ESA GP8-XP are isolated (> 1M ohm). Besides, each socket has independent build-in Vcc and Vpp current limit circuitry. A defective device will not affect the programming integrity of other devices.

Unbeatable speed through semi-concurrent programming technology

The ESA GP8-XP's on-board intelligence reduces the system's overhead. It programs 8 pcs of 8Mb flash chips (Intel 28F800B3) within 45 seconds. An experienced operator can program thousands of high density chips per day. Further more, with the **semi-concurrent programming capability**, it can be configured as to divide the 8 sockets into two groups and program one group of 4 chips while removing or inserting the chips of the other group simultaneously.

Universal Adapter for Flash chips

The ESA GP8-XP is designed to meet the future need of high density flash chips, it uses PC's resource to support 32K-bit up to 256M-bit memory chips without upgrading the hardware. The ESA GP8-XP also provides 48-pin TSOP, 44-pin PSOP, 40-pin TSOP, and 32-pin TSOP universal adapters for all the flash chips which eliminates the need to purchase multiple adapters and saves money.

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