

DEPENDABLE AND RELIABLE

- Equipped with the highest quality sockets available. All sockets have gold-plated connectors. (We never use tin-sockets.)
- Backed by Advin's ten years of experience in manufacturing Set/Gang programmers, which demand very sophisticated software technology.
- Approved by Intel, AMD and all major semiconductor manufacturers. Designed for the serious user. Made in USA.

THE BEST SET/GANG PROGRAMMERS

PILOT-900 Series programmers are the only multi-site set/gang programmers in the market today that are powerful enough for you if you need set and gang capabilities. Other programmers may give you gang functions, but only Advin Systems Inc., the leading manufacturer in set programmers, can give you all the set functions you'll need. For example, the following and many others are possible with the PILOT-900 Series:

- Program 8 27C040s with 1-to-8 split, thus programming different data into each socket.
- Program 2 sets of 27C040s, with 1-to-4 split, meaning 4 devices per set. Devices within a set will have different data. The 2 sets will be identical.
- Program 27C040s, using 1-to-4 split, but since 4 devices are not big enough to hold all your data, you are going to use 8 devices. During file load, the S/W will load up 4 buffers during the 1-to-4 split, then load up the next 4 buffers after exceeding the data size

SPECIFICATIONS**Low Voltage Capability:**

From Vcc requirements of 6.5v down to 3.0v.

Programming Sockets

PILOT-932D or GM modules in DIP packages:

eight gold-plated, Aries Zero Insertion Force sockets.

PILOT-932C or GM modules in PLCC packages:

eight gold-plated Yamaichi clam-shell sockets.

Other package sockets: highest quality gold-plated sockets.

Number of devices programmed in parallel

Gang mode: 8.

Macro/Batch Facility

Similar to DOS batch files. Chaining of Macros: Yes. Nesting: No.

Number of parameters allowed: 9.

File Formats Supported

Intel HEX, Intel Extended HEX, Intel 32-bit HEX, Intel MCS, Motorola S1, S2, S3, Binary, and ASCII.

Featured Functions Include

- Virtual memory: provides unlimited amount of RAM, depending on RAM/disk space on your PC.
- Full screen buffer edit in HEX and ASCII.
- File load, save, checksum, format, address, range.
- 1-to-2, 1-to-4, and 1-to-8 splits for 16, 32, or 64 bit modes.
- Device read, examine, load, verify, checksum, program.
- Buffer edit, fill, load, checksum, duplicate.
- Relative address and buffer offset commands.
- Active range (partial device) programming.
- Macro/batch file functions, custom operator messages, loop control.
- Release control: automatic serial entering and numbering, automatic date/time stamping, checksum re-calculation.
- Word-wide devices: data from even address can go to low order byte (Intel-way) or high order byte (Motorola-way).
- Special manual for setting configuration bits for special devices such as PIC micros and Altera serial PROMs.

RAM Expansion

Not needed, even for the biggest devices.

Operating Software

Menu-driven, easy-to-use software included

of the first 4 devices. Then it will program the 8 devices in parallel, yielding one set of 8 devices, all with different data.

- Program four 27C4096s, using 1-to-4 split, and putting even-address-data into high-order-byte (instead of defaulting to the low-order-byte) in your word-wide device (Motorola way). This yields a set of 4 devices for your 64-bit-wide system bus.
- Do any of the above, but put the commands in a batch file so that your operator can do it by just typing "JOHN [ENTER]".
- True set/gang programming: reporting of individual errors to the socket, byte and bit level during programming or verification.



Available gang modules provide support for devices in various package types.

Power Supply

Built-in power switching supply, automatically adjusts to any AC voltage between 85 to 264 volts. Power connector: Std IEC. Consumption 50 Watts.

System Requirements

IBM 386/486/Pentium/Notebook or compatible machines.

No PC-slot required.

DOS 3.1 or above, 640K RAM.

One 3 1/2" floppy drive. Hard disk with 2MB of free space. One parallel printer port (LPT1, 2 or 3).

User interface

Menu-driven, 3-way user interface with un-surpassed speed and simplicity:

- "Easy": Commands selected by using only the cursor keys: LEFT, RIGHT, ESC and ENTER
- "Fast": Commands selected by using only the command initials
- "Automatic": Commands taken from macro/batch files

Physical

Dimensions: 7.2" wide, 11.3" deep, 3.5" tall.

Instrument weight: 5 lbs. Shipping weight: 9 lbs.

Throughput Examples (in min:sec)

	Size	Package	1 device	8-gang
27C512	512K	32-pin DIP	0:32	0:49
27C010	1 Meg	32-pin DIP	0:47	1:27
27C210	1 Meg	40-pin DIP	0:42	1:32
27C4096	4 Meg	44-pin PLCC	1:24	4:32
AMD 29DL800BT	8 Meg	48-pin TSOP	2:57	5:53
24LC64	64K	8-pin DIP	0:06	0:07
PIC16C71		18-pin DIP	0:06	0:08
PIC16C74		40-pin DIP	0:24	0:29

Note: Assuming full data file with no unused empty blocks; programmer controlled by 90 MHZ Pentium machines. No download time is required

Supplied Equipment

Programming hardware (PILOT-9xx are complete machines, each including a PILOT-900 base and one Gang Modules. Gang Modules can also be purchased separately and can be used on a PILOT-9xx or a single-site programmer such as PILOT-MVP, PILOT-146, or PILOT-U44-Plus, etc.), control software, user manual, interface cable to PC, power cord. (International shipments do not include power cord.)

WARRANTIES AND SOFTWARE UPDATES

1 year hardware warranty. Free lifetime software updates via WEB.