EPROM Programmer

SHOOTER

SHOOTERTM

- · Intelligent Programmer with 512K RAM Built-in "Bios" and processor; has many firmware functions.
- · Stand-Alone or RS-232 Duplicate EPROMs without a PC or use RS-232 port for connection to ANY computer or terminal.
- Reliable Operation Over 10,000 units sold to date.
- · Fast Programming Speed Supports both standard and intelligent programming algorithms.
- · Simple Front Panel Pushbutton operations, extremely easy to operate.
- For Engineering or Service Extensive set of internal commands for use with PC.
- Supports EPROMs 2716-27512



DEVICE LIST SUMMARY			INTEL	2716	27128/A/B	ОКІ	2716	27128
AMD/MMI	AM2716/B	AM2764/A	EPROM	2732/A/B	27256/C256	EPROM	2732/A	27256/A
EPROM	AM2716/6 AM9716	AM9764	MICRO		27512	oppo	2764	27C256
	AM2532	AM27128/A	MICKO	8751/H/C51		SEEQ		
						EEPROM	DQ2816A	DQ5213/B13
	AM2732/A/B	AM27256/C256	MICROCHIP		27256/C256	EPROM	2764	27128/A/C128
	AM9732/A	AM27512/C512	- EPROM	27C128	27512/C512		27C64/A	DQ5143
							DQ5133	27256/C256
FUHTSU	MBM2716	MBM27C64S	MITSUBISHI	M5L2716K	M5L27128K/C128K			
EPROM	MBM2732/A	MBM27128S/C128S	EPROM	M5L2732K/AK	M5L27256K/C256	SIGNETICS		
	MBM27C32/A	MBM27C256		M5L2764K	M5L27512K	EPROM	27C64/A	
	MBM2764S	MBM27C512						
			NEC	UPD2716	UPD27128	171	TMS2516	TMS27128/A/C128
HITACHI	HN462716G	HN27C64G	EPROM	UPD2732/A	UPD27C256/A	EPROM	TMS2732/A	TMS27C256
EPROM	HN482716	HN482764G/P		UPD2764/A	UPD27C512		TMS2764/C64	TMX27C512
	HN27C32	HN4827128G/P	NATIONAL SEM					
	HN462532G	HN27256G	EEPROM	NMC2816	NMC9716	TOSHIBA	TMM2732/A	TC57256/D
	HN462732G/P	HIN4827256	EPROM	MM2716E/M	NMC2764/O	EPROM	TMM2764/AD	TMM27256AD
	HN472532	HN27C256G		MM2758A/B	NMC27C64	LI IXVIII	TMM2764/D/DI	TMM27256D/DI
	HN482732AG	HN27512G		MM2732	NMC27C128		TMM27128/AD	TC57512
				NMC27C16/H	NMC27CF128B			
HITACHI HD63701/A01/B01VOC					li i i i i i i i i i i i i i i i i i i	TMM27128D/DI	TMM27512D	
MICRO				NMC2732/A	NMC27C256/A	XICOR		
MICKY	ICRO HD63705A05/B05VOC			NMC27C32/A/I	1 NMC27C512/A	EEPROM	X2816	X2816A

Logical Devices Inc. U.S.A. 1201 NW 65th Place Ft. Lauderdale Fl, 33309

Tel: 305 974 0967/Fax 305 974 8531

Description

SHOOTER is Logical Devices' low cost, stand-alone EPROM programmer. With 512K-bits of internal RAM, it is capable of programming popular single voltage EPROMS from 2716 through 27512 including CMOS and "A" versions. When connected to a dumb terminal, computer, or $modem\ via\ the\ standard\ RS-232\ port, the\ operator\ fully\ controls\ SHOOTER\ including:\ RAM\ edit,$ blank check, checksum, upload, download, offset and file transfer format. When operating SHOOTER in stand-alone mode, the user can directly copy and verify EPROMs via the three $control\,switches\,and\,LED\,status\,indicators.\,\,SHOOTER\,is\,packaged\,in\,a\,compact,\,metal\,enclosure$ which makes it ideal for portable and field service applications.

Stand-alone Mode

VERIFY **PROGRAM** RESET

This mode is ideal to complete simple duplication tasks performed either by unskilled operators or experienced field personnel. The user simply activates each operation with a single keystroke via front panel pushbutton switches. Different color status LEDs indicate when the programmer is READY, BUSY, or an ERROR has occurred.

RS-232 Mode

SHOOTER can be controlled by means of simple ASCII commands sent from the terminal. Users can communicate with the product using any standard RS-232 communication, terminal emulator software or use Prolink software as the PC front end user interface. Batch operation is also possible by creating a sequence of ASCII commands and using the DOS copy to COM port command.

Commands Displays this menu M Set Shooter to Motorola hex download Read Eprom into memory format Verify Eprom against memory image Upload file in Intel, or Motorola hex Blank check Eprom in socket Т Download file in Intel, or Motorola hex Program Eprom using memory image K Upload file in binary format C Calculate Checksum for memory image Download file in binary format X Examine/modify memory image G Upload file in straight Hex format Fill memory with data pattern H Download file in straight Hex format Set Shooter to Intel hex download format O Offset value, (default is 00)

One Year Manufacturer's Warranty

All Logical Devices products are warranted to be free of manufacturing or workmanship defects for one year from the date of purchase. Logical Devices will repair or replace any such product at our option.

Lifetime Product Warranty

All Logical Devices products are warranted to be free from engineering and design defects for the life of the product. Logical Devices will upgrade the existing product at no charge or upgrade customers to an alternate product solely for the price differential. This warranty does not apply to support of devices planned for phase out or devices already made obsolete by the device manufacturer.

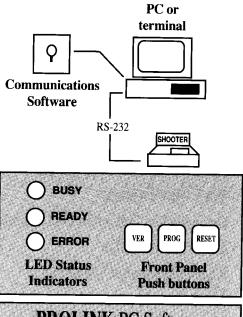
Lifetime Yield Warranty

Logical Devices warrants its products to program according to manufacturer specifications for the life of the product. In the event any specifications are not met, the equipment will be adjusted free of charge throughout the life of the product.

Product Satisfaction Guarantee

Logical Devices, Inc. guarantees complete satisfaction with its products. Simply return the product to us, as received, within 14 days for a full refund.

Order Number	Description	Order Number	Description
PROPP4-512	EPROM/Micro Programmer		
Options:		MANPP4-USR	User Manual
MODPP4-C51	8751/87C51 Module	MANPP4-SRV	Service Manual
OPTPLC-E28	28 DIP to 32 PLCC Adaptor	OPTPP4-GZS	GOLD ZIF Socket
MISCFP-025	Anti Static Foam Pads	ERAT8Z-000	EPROM Eraser
MISPP4-CBL	Serial Cable	SOFLNK-000	Prolink (MS-DOS)
CNFPP4-SET	Configurator Set	SOFLNK-03S	Prolink (Sun-UNIX)



PROLINK PC Software

•Device select •Edit

•Load Device •Utilities

Program

•Quit

•Verify

•R/W file

PROLINK is a specialized terminal emulation and file handling software for RS-232 communications. It includes screen/menu selections for the basic commands, and facilitates the upload and download process to the programmer. PC resident hex editing software (in addition to the built-in Shooter editor) is also included allowing users to read and write files to the PC RAM as well as the programmer buffer. This software may also be used to modify or convert file data.

Specifications

Physical

4.50"W x 7"L x 2.85"H Weight 3 lbs. Humidity 0-90% Temperature 0-40 C Enclosures Aluminum and Steel Input Power 110VAC/60HZ or 220VAC/ 50Hz Socket High quality Zero Insertion Force 28 pin socket Ram Buffer 512K bits Programming One Device Capacity RS-232 Specs 110, 300, 1200, 2400 baud, 8 data bits, 2 stop bits, no parity Cable Included, RJ-11 to DB25 Direct IBM PC compatible Status LEDs Busy, Ready, Error Pushbuttons Reset/Load, Program, Verify Error Checks Checksum File Formats Intel Hex, Motorola Hex

ASCII. Binary

97-10099-5