

Specifications

Object of writing	:24- to 48-pin(DIP) EPROM and EEPROM flash memory. Adapters are also available for packages such as SOP,TSOP and PLCC. *For details, please inquire further.
Simultaneous written Memory	:Up to 16 devices. :256Mbit standard. :Maximum 1Gbit.
Device operations	
COPY	:Copy data from PROM to memory.
BLANK	:PROM blank status check.
PROGRAM	:Write data to PROM.
VERIFY	:Compare PROM data and memory data.
CONT	:Execute Blank, Program and Verify operations in sequence.
ERASE	:Erase data stored in flash memories and EEPROMs.
Data input	:RS232C, Centronics parallel interface, master ROM copy.
Interface	:RS232C, Centronics parallel interface, Ethernet interface.
Display	:Liquid crystal, 40 x 4 characters.
Operating temperature	: 5~35°C
Power	:85-264 V AC(no switching), 47~66Hz
Power consumption	:100 VA (maximum)
Dimensions	:(W x H x D) 390 x 140 x 380
Weight	:7.5kg



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Distributed by:

Gang Programmer MODEL 1940



*Huge 256M-bit Standard Capacity
Delivers Enough Power to Write to 16
Devices Simultaneously*

Huge 256M-bit Standard Capacity Delivers Enough Power to Write to 16 Devices Simultaneously

Gang Programmer
MODEL 1940

Features

Speed

This unit allows simultaneous writing to multiple device at speeds 2-5 times faster than earlier MINAT models, as well as ultra-fast verify operations.

[Examples] 8-Mbit devices

	program	verify
MODEL 1940	12.04 secons	2.7 seconds
Earlier MINAT models	58 secons	23 seconds

*Writing speed differs from device to device.

[Examples] 32-Mbit devices

	program	verify
MODEL 1940	30 secons	8.5 seconds
Earlier MINAT models	3minutes 50secons	1minute 32seconds

*Writing speed differs from device to device.

Large Capacity

Model 1940 has a standard memoru capacity of 256Mbits (32megabytes), expandable to a maximum of 1Gbits (128megabytes). Its state-of-the-art design makes it suitable for use with most devices.

Suitable for Low-voltage Devices

Model 1940 is designed to handle the new low-voltage devices now emerging (5V, 3.3V and 1.8V).

Easier Setting

A wider liquid crystal display enables the operator to take in all the necessary information at a glance.



High-speed Data Transmission

The combination of a 200Kbps data transfer capability (when using a parallel interface) and a larger memory enables the unit to deliver much faster transfer speeds.



Options

Conversion Adaptors

Minato Electronics has developed over 300 types of conversion adaptors.



48-pin/TSOP type

48-pin/CSP type

77-pin/FBGA type

44-pin/SOP type

For HITACHI/FZTAT
Microcontrollers:
112-pin/QFP type

For FUJITSU
Microcontrollers:
120-pin/LQFP type

*Other types are available for special packages, DIMMs, etc.
*With a few exceptions, conversion adaptors for Model 1930 can also be used.

Ethernet Interface

Various Ethernet interface are available as options according to the manufacturer and type of equipment involved.

