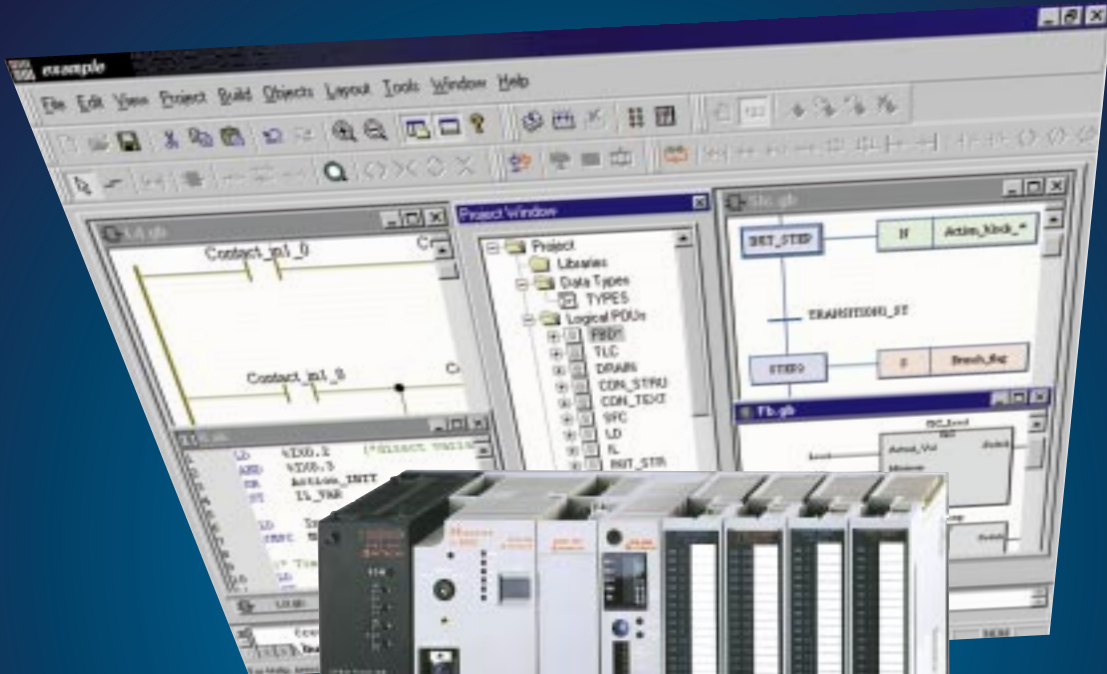


HITACHI

# Programmable Logic Controllers

## Product Overview





# Hitachi. One of the world's largest technology corporations are part of our wide range of industrial components

## ● For more than 90 years...

our maxim has been: Where there is high-tech, there is Hitachi. Hitachi products are used in telecommunications, in energy and chemical industries, in plant engineering and Consumer Electronics. For Hitachi, manufacturing "high-tech" also means being a responsible corporate citizen by developing environmentally sound solutions.

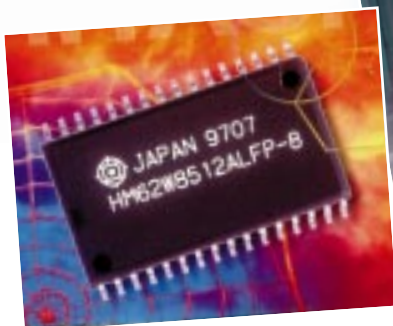
## ● In more than 30 countries...

the Hitachi corporation achieves an annual turnover of approximately \$65 billion (or about €72 billion, fiscal year ended 31 March

1998). More than 300,000 employees are behind this impressive figure – Hitachi considers them the company's most valuable asset. Their talent, know-how and expertise make it possible for Hitachi to manufacture high-quality products, which are certified according to international standards.

## ● Ahead of the competition thanks to innovation.

In all branches of the corporation, Hitachi operates R&D laboratories, which continually strive to improve existing products and develop new ones. The synergies resulting



## porations. Innovative PLC's nts.

from this R&D potential are strategically employed. Many components of Hitachi products are manufactured inside the corporation. One example is the high-performance chip *SuperH* RISC Processor, which can be found inside a number of Hitachi electronic products.



ensures that our high demands on quality are met and also allows for a very competitive price structure. All PLC series offer high performance, flexible use, energy efficiency and world-wide application, supported by a wide network of qualified service agents.

### ● PLC's

Hitachi PLC's include several components which are manufactured in the Hitachi plants in Japan. This



# Technically and economically, the top choice for every field of application.

Hitachi PLC's are among the smallest, most compact systems available world-wide. They were developed under special consideration of network abilities, international standards and the reduction of EMC noise. All of this was made possible thanks to the integration of innovative PLC compo-

nents. Due to an extensive array of commands, excellent communication capabilities and high flexibility, each series establishes a new standard in its class. The ANYBUS®-system ensures compatibility with all standard fieldbus systems.

## EC SERIES

### Small, universally applicable micro PLC



Small, compact, powerful. These were central aspects in the development of the Hitachi EC Series, a micro PLC featuring "all-in-one-housing-technology". Applying the latest development and manufacturing technologies, Hitachi minimised the area needed for installing 20/28/40/60 I/Os to only 170 x 80 mm. In addition, the same series also offers modules for analog input. This makes the EC Series one of the most compact PLC's in the world. It excels wherever maximum automation has to be achieved with minimum means: in power control and supply systems, in food and packaging industries, for heating, air-conditioning and ventilation.

■ RS-485 MULTIDROP



H-

**H-BOARD SERIES**

**Compact mini PLC for low-end plant engineering**

The H-Board Series is a powerful PLC system featuring 20 to 128 I/Os. The design combines the advantages of compact and modular systems. Compact units and modular extensions offer the possibility of fine-tuning the PLC to the required level of automation. Among other features, the H-Board Series has 8 interrupt-inputs as standard as well as 2 high-speed counter inputs. Without additional hardware, precise positioning tasks can thus be realised.



- REMOTE CONTROL FUNCTION
- CPU-LINK



**EH-150 SERIES**



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- RS485
- PRO
- INTE
- DEVI
- CAN
- ASI (

## Modular, low-cost micro PLC with outstanding communi- features

The EH-150 Series is considered a true pack. At the heart of this PLC is a 32 bit-microprocessor, which enables the user to individually adapt the CPU and various I/O modules to a specific application. Various extensions allow the system to be expanded to 256 I/Os. As part of a network, the extension potential is virtually limitless.

Outstanding CPU performance features include: integrated PID-commands, floating point arithmetic, two serial interfaces as standard, one of which can be used as software-modem-interface. Flexibility and modularity of the EH-150 Series are enhanced by extensive network abilities, especially with regards to open fieldbus systems. No matter whether food packaging machines need to be automated or high-speed controls of a production line: The Hitachi EH-150 Series PLC is "open" for any type of application.

385 MULTIDROP

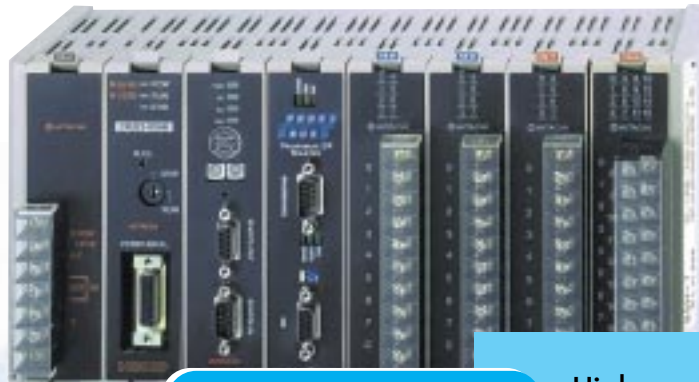
PROFIBUS DP

INTERBUS-S (iv.)

DEVICENET (iv.)

ETHERNET (iv.)

(iv.)



## H-200/250/252 SERIES

### High-speed, modular PLC, suited for high-end machine tool industry

The H-200/250/252 Series is the result of many years of industrial application.

A CPU processing speed of up to 0.2 ms/command, extensive program capacity and a large set of application commands make the H-200/250/252 Series especially suited for high-end machine tool manufacturing. Various communication options for virtually all network levels round off the impressive performance range. By adding individual modules, designed for specific applications, up to 928 I/Os are available (via network, extensions are virtually limitless).



- HITACHI LINK
- HITACHI REMOTE
- PROFIBUS DP
- INTERBUS-S
- DEVICENET (iv)
- ETHERNET (iv)



### User-friendly software for all systems.

*Pro-H*, the powerful 32 bit-programming tool for Hitachi PLC's corresponds to IEC 61131-3 and is designed for Windows 95/NT operating systems. The user-friendly programming environment and availability of various editors significantly reduce project and installation requirements.





## H SERIES

### Large PLC for Plant Engineering

The H Series is designed for plant engineering, featuring a high-performance CPU that is considered the ultimate of its class. Remarkable processing speeds of up to 0.05 ms/command allow the automation of all those tasks which a smaller PLC cannot handle. Also, functionality, flexibility and user-friendliness put the H-Series in a class of its own. Numerous special modules are available. The hardware can be expanded to 4096 I/Os (virtually limitless expansion via network), making this series the preferred system for automating medium to highly complex processes.



- HITACHI LINK
- HITACHI OPTICAL LINK
- HITACHI REMOTE
- ETHERNET



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