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## Chapter 1 — Introduction

### HMi Series Human Machine Interface

**HMi** is manufactured by adopting high-speed hardware to provide a powerful and programmable interface. **HMi**soft software is a user-friendly program editor of **HMi** for Windows. Refer to the following section for an introduction to its features and functions. If you have any suggestions or comments on **HMi**soft software, please do not hesitate to contact us. We look forward to serving your needs and are willing to offer our best support and service to you.

### Features

- PLC Serial Drivers Support  
**HMi** supports more than 20 brands of PLC, including Rockwell, Omron, Siemens, Mitsubishi, etc. All of the newly supported PLC communication protocols can be found on our website (<http://www.EatonElectrical.com>) for upgrades to meet your requirements. (All other trademarks in this manual are property of their respective companies.)
- Windows Fonts Support  
Simplified Chinese, traditional Chinese and English are supported. **HMi**soft software also provides all fonts used by Windows®.
- Quick Execution and Communication Macro  
**HMi**soft handles complicated calculations by executing macros. Additionally, users can create a custom protocol via the COM port.
- Rapid USB Upload/Download  
**HMi**soft shortens the upload/download time by using USB Ver1.1.
- Recipes  
**HMi** provides a useful recipe editor that is similar to Microsoft Excel. Multiple recipes can be edited simultaneously (size limit is 64K). If you need to download multiple recipes simultaneously, **HMi** can swap internal memory. After you finish editing the recipes, you can download the recipes individually.
- Support Multiple PLCs Connections  
Connect to multiple controllers using the **HMi**'s three communications ports.  
  
If a PC is connected to an **HMi**, then the **HMi** on-line simulation feature allows users to develop and debug software on a PC connected to **HMi** before downloading to **HMi**.
- Off-line Simulation  
The **HMi** off-line simulation feature allows users to develop and debug software on a stand-alone PC before downloading to **HMi**.
- Multiple Security Protection  
**HMi** provides passwords to protect the designer's intellectual property rights and also for users to set user priority for important components. Only the users whose priority is higher than the component can use the component.
- USB Host Port (USB Host) Equipped  
**HMi** has a built-in USB Host interface for the connection to USB disk, card reader and printer with a USB socket. You can save data, copy a program, print the screen immediately and increase the data storage space.

- Multi-language Support

Eight available languages can be selected and used without installing a multi-lingual operating system. It is easy for the users to switch the desired language via **HMI** or the external controller. Furthermore, Unicode editing is supported, therefore, it is convenient for the user to create and edit more quickly.

### **Recommended System Requirements**

- Intel® Pentium III, 500MHz or greater
- 256MB RAM
- Windows® 2000 & Windows® XP
- 100 MB free hard disk space
- RS232 port
- USB connection