

# Preface

The H8/532 is a high-performance single-chip Hitachi-original microcomputer, featuring a high-speed CPU with 16-bit internal data paths and a full complement of on-chip supporting modules. The H8/532 is an ideal microcontroller for a wide variety of medium-scale devices, including both office and industrial equipment and consumer products.

Its highly orthogonal instruction set is designed for fast execution of programs coded in the high-level C language.

On-chip facilities include large RAM and ROM memories, numerous timers, serial I/O, an A/D converter, I/O ports, and other functions for compact implementation of high-performance application systems.

The H8/532 is available in both a ZTAT™ version\* with on-chip PROM, ideal for the early stages of production or for products with frequently-changing specifications, and a masked-ROM version suitable for volume production.

This manual gives a hardware description of the H8/532. For details of the instruction set, refer to the *H8/500 Series Programming Manual*, which applies to all chips in the H8/500 Series.

\* ZTAT (Zero Turn-Around Time) is a registered trademark of Hitachi, Ltd.