



# SW3201/1 Device Driver Package

## RESUME

The Device Driver Package supports a variety of peripheral devices operating in accordance with international standards and/or protocols. All driver modules have a standard user interface, prepared for use of the RC3600 Multiprogramming Utility System procedures.

Some of the features of the Device Driver Package are:

- Dedicated device support.
- Re-entrant driver programs for memory-saving second incarnations.
- Timer, interrupt, or priority driver program execution.
- Automatic error recovery.
- Standardized command/status interface.
- Extensive support of various communication protocols.
- Mass storage disc, removable disc, and flexible disc support.

## DESCRIPTION

The Device Driver Package constitutes the user-program interface to the RC3600 line of peripheral devices and facilitates the attainment of efficient, appropriate program execution. A number of special driver modules and system generation driver modules are available, as are the general driver modules not provided by installed DOMUS Operating Systems.

The standard driver interface is used for control and input/output access. In control mode the user may specify exclusive use of the driver, conversion of input/output to follow, stream number (channel number), and the like; parallel with input/output transfers, data/position/modify control is available in the form of dynamic parameters.

A simple yet efficient and dynamic interface is the general implementation goal; this, together with the RC3600 multiprogramming system design philosophy, ensures fast, reliable operation in multibuffered environments as well.





A large number of standard communication drivers are included to handle internationally accepted protocols, such as HDLC and BSC. All kinds of backing-storage media are supported together with conventional line printers, tape transports, and V24 multiplexors/concentrators.

Apart from being an efficient basis for user program development, the Device Driver Package provides the foundation for standard RC3600 application/generation systems.

### SOFTWARE PREREQUISITES

DOMUS Operating and Utility System Package, SW3001/1.

**RCSL 42-I 1387**

This datasheet is of a summary nature and specifications are subject to change without prior notice.