



# Software Product Description

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**PRODUCT NAME:** FORTRAN/RT-11 LSI Extensions, Version 1

**SPD 15.48.0**

**DESCRIPTION:**

The FORTRAN/RT-11 LSI Extensions consist of:

- A subset of the RT-11 operating system
- FORTRAN IV/RT-11 with SYSLIB
- A library of laboratory subroutines supporting the ADV11-A, KVV11-A, AAV11-A, and DRV11
- A FORTRAN debugger
- A subroutine to control the VT55

The FORTRAN/RT-11 VT55 subroutine provides access to all of the graphics features of the VT55 graphics terminal. In addition, single subroutine calls can be used to plot any non-vertical line or complete data curves.

The laboratory subroutine library provides the capability of acquiring data in modes provided by the LSI laboratory hardware. The subroutine library also provides the capability to operate a CRT display through the digital-to-analog converters included in the system package.

A completion routine capability allows the user to write FORTRAN subroutines which are activated asynchronously upon completion of I/O activity such as the filling of a data buffer. DRV11 support allows up to eight of these interfaces to be operated simultaneously. The library is easily configured for the particular set of devices on the user's configuration.

**MINIMUM HARDWARE REQUIRED:**

Any DECLAB-11/03 configuration with at least 16K words (32K bytes) of memory.

**OPTIONAL HARDWARE SUPPORTED:**

Any mass storage, unit record or terminal device supported by RT-11 on LSI-11 based systems, with the addition of:

- VT55 Graphics Terminal
- ADV11-A A/D Converter
- KVV11-A Real-time Clock
- AAV11-A D/A Converter
- Up to a system total 28K words of memory
- Up to a system total of eight DRV11 Digital I/O Systems

**PREREQUISITE SOFTWARE:**

None

**OPTIONAL SOFTWARE SUPPORTED:**

None

**TRAINING CREDITS:**

None

**SUPPORT CATEGORY:**

B — Software Support will be provided as listed in the Software Support Categories Addendum to this SPD.

**UPDATE POLICY:**

Software Updates, if any, released by DIGITAL during the one (1) year period following installation, will be provided to the customer for a media charge. After the first year, updates, if any, will be made available according to then prevailing DIGITAL policies.

**ORDERING INFORMATION:**

This software is furnished under a license for use on a single CPU and can be copied and modified (with inclusion of DIGITAL's copyright notice) only for use on such CPU, except as may otherwise be provided in writing by DIGITAL.

Source and/or listing options are only available after the purchase of at least one supported license and after a source license agreement is in effect.

The following key (A, D) represents the form of power source for the product and must be specified at the end of the order number, e.g. 11L03-HA = system for North America.

A = North America

D = Europe

*Standard Options*

11L03 -C— DECLAB-11/03 Analog-to-Digital, and Clock System which includes LA36 as console terminal (power: A, D)

- 11L03 -D— DECLAB-11/03 Analog-to-Digital, and Clock System which includes VT55 as console terminal (power: A, D)
- 11L03 -H— DECLAB-11/03 Digital I/O, and Digital-to-Analog System which includes LA36 as console terminal (power: A, D)
- 11L03 -J— DECLAB-11/03 Digital I/O, and Digital-to-Analog System which includes VT55 as console terminal (power: A, D)

**ADDITIONAL SERVICES:**

None