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Software Product Description

PRODUCT NAME: INSTRUMENT Bus Subroutines, Version 1.1   **SPD 12.14.1**

DESCRIPTION:

The INSTRUMENT Bus Subroutines (IBS) runs under the RT-11 Operating System.

IBS consists of:

- A library of FORTRAN callable subroutines to support the IB11 and IBV11-A interface from an IEEE-488-1975 General-Purpose Instrument Bus

- A special device handler called by routines in the library

IBS allows the user to control the IEEE Bus through commands that control data transfer via the IB11 or IBV11-A. It also allows the user to specify a FORTRAN completion routine that will be entered asynchronously when any device on the IEEE bus asserts the Service Request Bus Line. This software supports the IB11 or IBV11 only when it is the system control and controller-in-charge of the IEEE Bus.

The Extended Memory (XM) monitor cannot be used while the instrument bus routines are being used.

MINIMUM HARDWARE REQUIRED:

Any valid RT-11 system configuration with at least 32K bytes of memory, and one of the following:

IBV11-A IEEE bus for sub-UNIBUS
IB11 IEEE bus for UNIBUS

OPTIONAL HARDWARE:

Up to a system total of eight IB11 or IBV11-A boards

Each interface operates as the system controller-in-charge; thus, there can be only one IBV11-A per IEEE bus.

NOTE: The software can communicate through only one unit at a time.

PREREQUISITE SOFTWARE:

RT-11 Operating System, Version 4.0 and FORTRAN IV/RT-11, Version 2.5

OPTIONAL SOFTWARE:

None

TRAINING CREDITS:

None

SUPPORT CATEGORY:

CUSTOMER SUPPORTED

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ADDITIONAL SERVICES:

None