



IBM Series/1 Event Driven Executive Version 5 for the Series/1 System Unit (5719-XJ5)

The IBM Series/1 Event Driven Executive Version 5 for the Series/1 System Unit (5719-XJ5) is a multiprogramming, multitasking system supervisor designed to run on an IBM Series/1 System Unit. The supervisor supports multiple, independent, and event-driven applications.

The terminal support allows you to assign terminals dynamically to any application program. An application program can be loaded from any terminal or from other application programs.

The Event Driven Executive Version 5 for the Series/1 System Unit can be installed as a production system or as a development system (when used with the IBM Series/1 Event Driven Executive Program Preparation Facility, 5719-XX6). For production systems, program development and system generation must be done on a standard Series/1. The output must then be transferred to a Series/1 System Unit. For development systems, system generation must be done on a standard Series/1 and the output must then be transferred to a Series/1 System Unit.

The highlights of this licensed program are:

- Initialization and operational support for supported devices
 - Interval timing and time-of-day functions
 - Relocating program loader
 - Trace support for supported devices
 - Full message support
 - A 256-byte supervisor patch area
 - Error logging
 - Wait capability for up to 64 events
 - Indexed Access Method queue control block
 - Printer output spooling with the capability of browsing a spool job.
- This licensed program also supports:
- Multiprogramming, multitasking supervisor
 - Cross partition supervisor
 - Multiple independent applications run concurrently
 - Up to 510 task priorities
 - Instruction execution emulator (table driven)
 - Provision for selective mapping of system-wide common data areas for interprogram communication.
 - High-level instruction set
 - Integer and floating-point calculations
 - Logical, shifting, and bit-manipulation instructions
 - Structured-program functions
 - Interval timing and time-of-day functions

- Task control and synchronization
- Generalized binary synchronous communications capability for basic read/write to other systems.
- Flexible operating environment
 - Multitasking, storage-resident only
 - Multiprogramming, multiterminal, communications to host, disk and/or diskette-based distributed processing.
- Data management
 - Disk-resident table of contents
 - Disk immediate read support.
- Utility functions, such as:
 - Initializing diskettes
 - Formatting disks and diskettes
 - Copying, allocating, and deleting data sets
 - Support for extendable data sets
 - Transporting data sets between a Series/1 and a Series/1 System Unit
 - Transferring files between a 5.25-inch Personal Computer diskette and Series/1 disk or diskette data sets.
 - System and program performance analysis.
 - Multiprogramming loader
- Problem determination aids:
 - Problem determination utilities
 - Error logging facility.

Specified Operating Environment

Machine Requirements

The minimum machine requirements are:

- An IBM Series/1 System Unit with 256K bytes of Series/1 storage and 512K bytes of Personal Computer storage
- A Personal Computer monochrome display (5151) or color display (5153) and keyboard or a 3101, 3161, 3163, or 3164 Display Terminal. The Personal Computer display is required if you want to use the software programmer console on the system.

Device Support

The Event Driven Executive Version 5 for the Series/1 System Unit provides support for the following devices:

- Up to two 4950 Disk Storage units. (Two are allowed with a single diskette unit.)
- Up to two 4950 Diskette Storage units for double-sided or high-capacity diskettes. (Two are allowed with a single disk unit).
- One Personal Computer monochrome display (5151) and keyboard or one Personal Computer color display (5153) and keyboard. The display emulates a 3101 Display Terminal (in block mode) attached to an RS-422 interface.
- Two 4201 matrix printers.
- Two virtual terminals.
- Three 3101, 3161, 3163, or 3164 Display Terminals (in character mode) attached to the RS-422 interface on a 6-port terminal/host adapter card. 3161, 3163, or 3164 Display Terminals operate in 3101 emulation mode.

- One 3101, 3161, 3163, or 3164 Display Terminal (in block mode) attached to the RS-422 interface on a 6-port terminal/host adapter card. A 3161, 3163, or 3164 Display Terminal operates in 3101 emulation mode.
- One 3101, 3161, 3163, or 3164 Display Terminal (in character mode) on a point-to-point connection attached to an RS-232-C interface. A 3161, 3163, or 3164 Display Terminal operates in 3101 emulation mode.
- One 3101, 3161, 3163, or 3164 Display Terminal (in character mode) on a switched line attached to an RS-232-C interface. A 3161, 3163, or 3164 Display Terminal operates in 3101 emulation mode.
- One Binary Synchronous Communications line (RS-232-C) operating as a point-to-point connection.
- One EXIO device for use with SDLC.

Programming Requirements

The IBM Series/1 Input/Output Executive for the Series/1 System Unit Version 1.1 (program number 5719-EM1, feature number 2154) must be installed on the Series/1 System Unit before you install the Event Driven Executive Version 5 for the Series/1 System Unit (5719-XJ5). For a development system, you also must install the IBM Series/1 Event Driven Executive Program Preparation Facility (5719-XX6).

Licensed Program Materials Availability

Restricted materials — No. This licensed program is available without source licensed program materials. It is available in object code.

Supplemental Terms

Testing Period

The testing period for the Basic License is one month.

Installation/Location License

Not applicable. A separate license is required for each machine on which the licensed program will be used.

Usage License

Not applicable.

Type/Duration of Program Services

Central Service, until discontinued by IBM with a minimum of six months written notice.

Warranty

The IBM Series/1 Event Driven Executive Version 5 for the Series/1 System Unit (5719-XJ5) licensed program will conform, when shipped to the Customer, to its Licensed Program Specifications which are in effect for it at that time, provided it is properly used in a Specified Operating Environment. If the Customer believes there is a defect in the program such that it does not meet its Licensed Program Specifications, the Customer must notify IBM while Program Services are available for the program. IBM does not warrant that the functions contained in the program will meet the Customer's requirements or will operate in the combinations which may be selected for use by the Customer, or that the operation of the program will be uninterrupted or error free or that all program defects will be corrected.

THE FOREGOING WARRANTIES ARE IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

Licensed Program Specifications may be updated from time to time and such updates may constitute a change in specifications.

For Distributed Systems License Option (DSLO) Licenses, warranty service, if any, will be provided only through the Basic License location.

Following the discontinuance of all program services, the program will be distributed on an "As Is" basis without warranty of any kind either express or implied.

General Documentation

The *IBM Series/1 Event Driven Executive Installation and Operation Guide for the Series/1 System Unit*, SC34-0793 contains the installation and operating instructions for the Event Driven Executive Version 5 for the Series/1 System Unit. The following Event Driven Executive publications also may be helpful:

- *IBM Series/1 Event Driven Executive Library Guide and Common Index*, SC34-0645
- *IBM Series/1 Event Driven Executive Installation and System Generation Guide*, SC34-0646

- *IBM Series/1 Event Driven Executive Language Programming Guide*, SC34-0637
- *IBM Series/1 Event Driven Executive Language Reference*, SC34-0643
- *IBM Series/1 Event Driven Executive Messages and Codes*, SC34-0636
- *IBM Series/1 Event Driven Executive Operation Guide*, SC34-0642
- *IBM Series/1 Event Driven Executive Operator Commands and Utilities Reference*, SC34-0644
- *IBM Series/1 Event Driven Executive Problem Determination Guide*, SC34-0639
- *IBM Series/1 Event Driven Executive Communications Guide*, SC34-0638
- *IBM Series/1 Event Driven Executive Customization Guide*, SC34-0635
- *IBM Series/1 Event Driven Executive Internal Design*, LY34-0354
- *IBM Series/1 Event Driven Executive Reference Aids*, SB0F-1629
- *IBM Series/1 Software Service Guide*, GC34-0099.



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