digital

Software Product Description

PRODUCT NAME: **MUX200/RSX-IAS,** Version 2, Multiterminal Emulator   SPD 10.77.2

DESCRIPTION:

MUX200/RSX-IAS is a PDP-11 based software package which provides communication with a host Control Data Corporation (CDC) 6000 or CYBER series computer system.

Through PDP-11 supported terminals, the user may communicate at command level with a host CDC system. Also, using RSX-IAS supported devices, jobs for batch processing may be sent to and results received from the host.

MUX200/RSX-IAS communicates with the host using the Mode 4A communications protocol as defined in CDC publication 82128000. The software package can be configured to support either the ASCII, or the external BCD versions of the communications protocol.

MUX200/RSX-IAS provides support for one synchronous communications line to a CDC 6000 or CYBER series computer system. The product supports communication over a single switched or non-switched two-wire or four-wire common carrier facility at speeds up to 4800 bits per second (bps).

MUX200/RSX-IAS enables several users to communicate simultaneously with a host CDC system. The maximum number of simultaneous users supported by the MUX200/RSX-IAS System is 16, but may be limited to a lower figure by CDC hardware or software.

Features:
- Output received from the host CDC system may be spooled to the line printer upon detection of text string pre-defined by the user.
- Up to 8 RSX-IAS datasets may be specified for transmission to the host in a single command.
- RSX-IAS terminal may be detached for other use while the software package is operating. Data received from the host directed to the terminal is saved for printout until the terminal is re-attached.
- User-written tasks can replace the RSX-IAS terminal and control the emulator as if the task were a terminal.
- Utilization of the host system can be minimized by taking advantage of the local processing power on the RSX-IAS system, thus reducing host processing and/or line costs. For example, file editing can be performed locally rather than on the host.

MINIMUM HARDWARE REQUIRED:

Any valid RSX-11M, RSX-11D or IAS operating system configuration that meets the following requirements:

Main Memory:
- At least a 16K word task partition for a single terminal configuration.
- At least 2K words for each additional terminal over one and up to the maximum supported for a RSX-11M and RSX-11D configuration.
- At least 2.5K words for each additional terminal over one and up to the maximum supported for an IAS configuration.

Communication Devices:
- DU11-DA synchronous line interface.
- A modem to connect the above interface to the common carrier facility (not supplied by DIGITAL). In some cases where the host CDC is co-located, a DIGITAL H312 null modem may be sufficient.

OPTIONAL HARDWARE:

Supports any mass storage, unit record or terminal device supported by the prerequisite software.

PREREQUISITE SOFTWARE:

One of the following operating systems:

RSX-11M, Version 2 or Version 3 or later
RSX-11D, Version 6B or Version 6.2 or later
IAS, Version 1.1 or later

OPTIONAL SOFTWARE:

None

TRAINING CREDITS:

None

SUPPORT CATEGORY:

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

CUSTOMER RESPONSIBILITIES:

Before installation of the software, the customer must:

- Obtain, install and demonstrate operational any modems and other equipment and facilities necessary to interface to DIGITAL's communication equipment.

• Previously have installed all hardware, including terminals to be used on the system.

• Make available to DIGITAL personnel all hardware, including communication facilities and terminals that are to be used during installation for a reasonable period of time as mutually agreed upon by DIGITAL and the customer until acceptance criteria are satisfied.

• Provide written assurance that the host CDC computer system software and communication hardware support the mode 4A protocol as defined in CDC Publication No. 82128000.

During installation of the software, the customer must:

• Provide access privileges and machine time on the CDC CYBER or 6000 Series computer system interface.

• Provide appropriate documentation specifications for the CDC communication hardware and software and access to CDC operators and programming staff necessary for installation of the emulator software.

During on-site Remedial Support, the customer must provide the standard hardware, software, communication facilities and terminals necessary for the efficient diagnosis debugging of the reported problem.

UPDATE POLICY:

Software Updates, if any, released by DIGITAL during the one (1) year period following installation, will be provided to the customer without additional 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.

Standard options with no support services are only available after the purchase of one supported license. When a software license is ordered without support services, the category of support applicable to such software is Category C.

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

The following key (D, E, R, T, Z) represents the distribution media for the product and must be specified at the end of the "Q" number, i.e., QJ070-AD = binaries on 9-track magnetic tape.

D = 9-track Magnetic Tape
E = RK05 Disk
R = Microfiche
T = RK06 Disk
Z = No hardware dependency

Standard Options

QJ070 -A— Single-use license, binaries, documentation, support services (media: D, E, T)

QJ070 -C— Single-use license, binaries, documentation, no support services (media: D, E, T)

QJ070 -D— Single-use license only (media: Z)

Source/Listing Options

QJ070 -E— All sources (media: D)
QJ070 -F— Listings (media: R)

Update Options

Users of MUX200/RSX, Version 1 whose specified Support Category warranty has expired may order under license the following software update at the then current charge for such update. The update is distributed in source or binary form on the appropriate medium and includes no installation or other services unless specifically stated otherwise.

QJ070 -H— Binaries, documentation (media: D, E)

Users of MUX200/RSX, Version 1 whose warranty has not expired, may order under license the following software update. The update is distributed in binary form on the appropriate medium and includes no installation or other services unless specifically stated otherwise.

QJ070 -W— Binaries, documentation (media: D, E)

ADDITIONAL SERVICES:
None