

# Software Product Description

**PRODUCT NAME: DEC eXtended Basic Mode (XBM) CO3  
Gateway for VMS, Version 4.0**

**SPD 32.24.00**

## DESCRIPTION

DEC eXtended Basic Mode (XBM) CO3 Gateway for VMS, Version 4.0 is a software package which emulates the standard functions of an ICL CO3 remote job entry (RJE) terminal, an ICL block mode terminal, and the associated ICL 7502/7503/7504 cluster controller. In addition, support is provided for ICL CO1 block mode terminals and attached printers.

DEC eXtended Basic Mode (XBM) CO3 Gateway for VMS communicates with ICL 2900 or 3900 processor system using the ICL CO3 and CO1 protocols.

The product is controlled by a user interface program called XBMICP which also provides extensive on-line help. This makes it usable by non-technical end users in an office environment. Installation will require a knowledge of ICL communications to the level needed to be able to communicate with the ICL communications manager.

The product has been designed by Digital in accordance with the ICL Terminal Attachment Specifications (TAS) 001, 11, 12, 13, 14 and 15.

This product is primarily designed to function with an ICL 2900 or 3900 system. While this software may function with other equipment and software, Digital cannot offer its standard services for this software unless it has been tested with such equipment and software configurations.

Since the introduction of this software, other configurations may have been tested. Please contact your local Digital office for up to date information regarding tested configurations.

### Capabilities

- The video subsystem emulates the features of an ICL block mode terminal and allows the user to interact with any program available on the ICL system.
- The RJE card reader emulation allows the user to queue files for transmission to the ICL host. The queued files are then transmitted to the ICL host as if from a card reader.
- The RJE line printer emulation receives print files from the ICL host and stores them on disc. The files received may then be printed or processed as any other ASCII file on the system. The line printer emulation supports all TAS defined ICL format controls.

- An operator console emulation is provided to allow access to the facilities available from the ICL CO3 operator console.

The host ICL system must be one of the following:

- ICL 2900 series running CME
- ICL 2900 series running DME
- ICL 2900 series running VME
- ICL 2900 series running VME/B
- ICL 2900 series running VME 2900
- ICL 3900 series running CME
- ICL 3900 series running VME

The product has been designed to work with machines having front ends supporting standard CO3 protocol.

## HARDWARE REQUIREMENTS

VAX, MicroVAX, VAXstation, or VAXserver configuration as specified in the System Support Addendum (SSA 32.24.00-x).

## SOFTWARE REQUIREMENTS

*For Systems Using Terminals (No DECwindows Interface):*

VMS Operating System

*For Workstations Running VWS:*

VMS Operating System  
VMS Workstation Software

*For Workstations Running DECwindows:*

VMS Operating System (and necessary components of VMS DECwindows)

Refer to the System Support Addendum (SSA 32.24.00-x) for availability and versions of required software and for information regarding components of VMS DECwindows.

## ORDERING INFORMATION

Software Licenses: QL-YLSE\*-\*\*  
Software Media: QA-YLSEA-\*\*  
Software Documentation: QA-YLSEA-GZ  
Software Product Services: QT-YLSE\*-\*\*



April 1990  
AE-PBRLA-TE

\* Denotes variant fields. For additional information on available licenses, services and media, refer to the appropriate price book.

**SOFTWARE LICENSING**

This software is furnished under the licensing provisions of Digital Equipment Corporation's Standard Terms and Conditions. For more information about Digital's licensing terms and policies, contact your local Digital office.

**LICENSE MANAGEMENT FACILITY SUPPORT**

This layered product supports the VMS License Management Facility.

License units for this product are allocated on a CPU-capacity basis.

For more information on the License Management Facility, refer to the VMS Operating System Software Product Description (SPD 25.01.xx) or the License

Management Facility manual of the VMS Operating System documentation set.

For more information about Digital's licensing terms and policies, contact your local Digital office.

**SOFTWARE PRODUCT SERVICES**

Support Services for this product are only available within the United Kingdom and Ireland.

A variety of service options are available from Digital. For more information, contact your local Digital office.

**SOFTWARE WARRANTY**

Warranty for this software product is provided by Digital with the purchase of a license for the product as defined in the Software Warranty Addendum of this SPD.

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# System Support Addendum

**PRODUCT NAME: DEC eXtended Basic Mode (XBM) C03  
Gateway for VMS, Version 4.0**

**SSA 32.24.00-A**

## **HARDWARE REQUIREMENTS**

### *Processors Supported*

VAX: VAX 6000 Model 200 Series, VAX 6000 Model 300 Series, VAX 6000 Model 400 Series  
VAX 8200, VAX 8250, VAX 8300, VAX 8350, VAX 8500, VAX 8530, VAX 8550, VAX 8600, VAX 8650, VAX 8700, VAX 8800, VAX 8810, VAX 8820, VAX 8830, VAX 8840, VAX 8842, VAX 8974, VAX 8978  
VAX-11/730, VAX-11/750, VAX-11/780, VAX-11/785

MicroVAX: MicroVAX II, MicroVAX 3300, MicroVAX 3400, MicroVAX 3500, MicroVAX 3600, MicroVAX 3800, MicroVAX 3900

VAXstation: VAXstation II, VAXstation 3200, VAXstation 3500, VAXstation 8000

VAXserver: VAXserver 3300, VAXserver 3400, VAXserver 3500, VAXserver 3600, VAXserver 3602, VAXserver 3800, VAXserver 3900, VAXserver 6000-210, VAXserver 6000-310, VAXserver 6000-410, VAXserver 6000-420

### *Processors Not Supported*

MicroVAX I, VAXstation I, VAX-11/725, VAX-11/782, MicroVAX 2000, MicroVAX 3100, VAXstation 2000, VAXstation 3100 Series, VAXstation 3520, VAXstation 3540, VAXserver 3100

### *Processor Restrictions*

The following processors (BI Bus) will not support a UNIBUS adapter with a DMF32 or DUP11 interface (see *Other Hardware Required*):

VAX 8200, VAX 8250, VAX 8300, VAX 8350, VAX 8500, VAX 8530, VAX 8550, VAX 8700, VAX 8800, VAX 8810, VAX 8820, VAX 8830, VAX 8840, VAX 8842, VAX 8974, VAX 8978, VAX 6000 Model 200 Series, VAX 6000 Model 300 Series, VAX 6000 Model 400 Series, VAXserver 6000-210, VAXserver 6000-310, VAXserver 6000-410, VAXserver 6000-420

### *Other Hardware Required*

A communications interface is required for each of the CPU bus types. The configurations are listed below.

UNIBUS machines can use either a DUP11 or a DMF32 communications interface. the UNIBUS processors are as follows:

VAX-11/730, VAX-11/750, VAX-11/780, VAX-11/785, VAX 8600, VAX 8650,

Q-bus machines require a DPV11 communications interface. The Q-bus machines are as follows:

MicroVAX II, MicroVAX 3300, MicroVAX 3400, MicroVAX 3500, MicroVAX 3600, MicroVAX 3800, MicroVAX 3900, VAXstation II, VAXstation 3200, VAXstation 3500, VAXserver 3300, VAXserver 3400, VAXserver 3500, VAXserver 3600, VAXserver 3602, VAXserver 3800, VAXserver 3900

BI bus machine require a DMB32 communications interface. The BI bus machines are as follows:

VAX 6000 Model 200 Series, VAX 6000 Model 300 Series, VAX 6000 Model 400 Series, VAX 8200, VAX 8250, VAX 8300, VAX 8350, VAX 8500, VAX 8530, VAX 8550, VAX 8700, VAX 8800, VAX 8810, VAX 8820, VAX 8830, VAX 8840, VAX 8842, VAX 8974, VAX 8978, VAXstation 8000, VAXserver 6000-210, VAXserver 6000-310, VAXserver 6000-410, VAXserver 6000-420

### *Block Space Requirements (Block Cluster Size = 1):*

Disk space required for installation: 2,500 blocks (1.3M bytes)

Disk space required for use (permanent): 2,000 blocks (1M bytes)

These counts refer to the disk space required on the system disk. The sizes are approximate; actual sizes may vary depending on the user's system environment, configuration, and software options.

## OPTIONAL HARDWARE

DEC eXtended Basic Mode (XBM) CO3 Gateway for VMS, is capable of supporting up to an additional seven communications devices, depending on the VAX processor type.

No. Lines	Processor
1	VAX-11/730
2	VAX-11/750
4	VAX-11/780, VAX-11/785, VAX 8200, VAX 8250, VAX 8300, VAX 8350, VAX 8600, VAX 8650, MicroVAX II, MicroVAX 3300, MicroVAX 3400, MicroVAX 3500, MicroVAX 3600, MicroVAX 3800, MicroVAX 3900
	VAX 6000 Model 200 Series, VAX 6000 Model 300 Series, VAX 6000 Model 400 Series, VAXstation II, VAXstation 3200, VAXstation 3500, VAXstation 8000, VAXserver 3300, VAXserver 3400, VAXserver 3500, VAXserver 3600, VAXserver 3602, VAXserver 3800, VAXserver 3900, VAXserver 6000-210, VAXserver 6000-310, VAXserver 6000-410, VAXserver 6000-420
8	VAX 8500, VAX 8530, VAX 8550, VAX 8700, VAX 8800, VAX 8810, VAX 8820, VAX 8830, VAX 8840, VAX 8842, VAX 8974, VAX 8978

In addition to the VT200/VT300 series terminal, the product also supports the following terminal types:

- Microcolour Graphics M1779 terminal
- Videcom OSI terminal

DEC eXtended Basic Mode (XBM) CO3 Gateway for VMS is capable of supporting other VMS nodes requiring access to the remote ICL mainframe. To do so, either a DECnet or VOTS connection must provide a link to the other node requiring access.

## CLUSTER ENVIRONMENT

This layered product is fully supported when installed on any valid and licensed VAXcluster\* configuration without restrictions. The *HARDWARE REQUIREMENTS* sections of this product's Software Product Description and System Support Addendum detail any special hardware required by this product.

\* V5.x VAXcluster configurations are fully described in the VAXcluster Software Product Description (29.78.xx) and include CI, Ethernet and Mixed Interconnect configurations.

## SOFTWARE REQUIREMENTS

*For Systems Using Terminals (No DECwindows Interface):*

- VMS Operating System V5.0 - V5.3

*For Workstations Running VWS:*

- VMS Operating System V5.0 - V5.3
- VMS Workstation Software V4.0 - V4.2

*For Workstations Running DECwindows:*

- VMS Operating System V5.2 - V5.3 (and necessary components of VMS DECwindows)

This product may run in either of the following ways

Stand alone execution - Running the X11 display server and the client application on the same machine.

Remote execution - Running the X11 display server and the client application on different machines.

VMS DECwindows is part of the VMS Operating System but must be installed separately. Installation of VMS DECwindows gives you the option to install any or all of the following three components:

- VMS DECwindows Compute Server (Base kit; includes intime support)
- VMS DECwindows Device Support
- VMS DECwindows Programming Support

For stand-alone execution the following DECwindows components must be installed on the machine.

- VMS DECwindows Compute Server

For remote execution, the following DECwindows components must be installed on the machine.

### Server Machine

VMS DECwindows Compute Server

### Client Machine

VMS DECwindows Compute Server

### VMS Tailoring

The following VMS classes are required for full functionality of this layered product:

- VMS Required Saveset
- Network Support
- Secure User's Environment
- Utilities
- VMS Workstation Support

For more information on VMS classes and tailoring, refer to the VMS Operating System Software Product Description (SPD 25.01.xx).

**OPTIONAL SOFTWARE**

DEC eXtended Basic Mode (XBM) CO3 Gateway for VMS, Version 4.0 is capable of supporting other VMS nodes requiring access to the remote ICL mainframe and running DEC eXtended Basic Mode (XBM) CO3 Access for VMS, Version 4.0. This requires that the Gateway node is running either DECnet-VAX V5.0 or VOTS V2.0 to match the configuration on the remote VMS node.

**GROWTH CONSIDERATIONS**

The minimum hardware/software requirements for any future version of this product may be different from the minimum requirements for the current version.

**DISTRIBUTION MEDIA**

Tape: 9-track 1600 BPI Magtape (PE), TK50 Streaming Tape

**ORDERING INFORMATION**

Software Licenses: QL-YLSE\*-\*\*  
Software Media: QA-YLSEA-\*\*  
Software Documentation: QA-YLSEA-GZ  
Software Product Services: QT-YLSE\*-\*\*

\* Denotes variant fields. For additional information on available licenses, services and media, refer to the appropriate price book.

The above information is valid at time of release. Please contact your local Digital office for the most up-to-date information.

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