Software Product Description

PRODUCT NAME: Quintus Prolog™ VMS and ULTRIX, Version 2.4   **SPD 29.48.00**

DESCRIPTION

Quintus Prolog Development System is a programming language used for both traditional and knowledge-based applications. It is suited for applications where there are rapid changes in requirements, memory efficiency is needed, multiple problem solutions may exist, or interfacing to external/multiple databases is required. Quintus Prolog is used for applications that require logical inference (rules), database queries, pattern matching, formal specification, language translation and integration with existing programs or data.

Software developers are the primary end users. Quintus Prolog's modular system helps programmers work in teams by allowing each programmer to work individually on one part of an application.

Software developers will use the Quintus Prolog Development System in prototyping, developing, upgrading and maintaining software applications which focus on database, database interface, expert system, language translation and user interface requirements. The software is used across all industries in software development.

Features

All data areas are expanded and contracted automatically when necessary (stack shifter). Memory management features include tail recursion optimization, a compacting garbage collector, and reclamation of retracted clauses. First-argument indexing is provided as both compiled and dynamic code. A full-screen editor permits incremental execution and redefinition of Quintus Prolog code within an editor window and is supported in the split-screen development environment.

Other features include interfaces to all the standard VMS/ULTRIX commonly used languages including C, FORTRAN, COBOL and PASCAL, and interprocess communication (IPC) with separately running programs. The Quintus Prolog Library provides over 1700 off-the-shelf routines that can be integrated into Quintus Prolog programs.

HARDWARE REQUIREMENTS

VMS Processor Supported:

VAX:	VAX 4000 Model 300
	VAX 6000 Model 200 Series,
	VAX 6000 Model 300 Series,
	VAX 6000 Model 400 Series,
	VAX 6000 Model 500 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 2000,
	MicroVAX 3100, MicroVAX 3300,
	MicroVAX 3400, MicroVAX 3500,
	MicroVAX 3600, MicroVAX 3800,
	MicroVAX 3900
VAXstation:	VAXstation II, VAXstation 2000,
	VAXstation 3100 Series, VAXstation 3200,
	VAXstation 3500, VAXstation 3520,
	VAXstation 3540, VAXstation 8000
VAXserver:	VAXserver 3100, VAXserver 3300,
	VAXserver 3400, VAXserver 3500,
	VAXserver 3600, VAXserver 3602,
	VAXserver 3800, VAXserver 3900
	VAXserver 6000-210, VAXserver 6000-220,
	VAXserver 6000-310, VAXserver 6000-320,
	VAXserver 6000-410, VAXserver 6000-420

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VMS Processors Not Supported:

MicroVAX I, VAXstation I, VAX-11/725, VAX-11/782

ULTRIX Processors Supported:

VAX:	VAX 6000-210, VAX 6000-220, VAX 6000-230, VAX 6000-240, VAX 6000-310, VAX 6000-320, VAX 6000-330, VAX 6000-340, VAX 6000-350, VAX 6000-360, VAX 6000-410, VAX 6000-420, VAX 6000-430, VAX 6000-440, VAX 6000-450, VAX 6000-460
	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-11/750, VAX-11/780, VAX-11/785
MicroVAX:	MicroVAX II, MicroVAX 2000, MicroVAX 3100, MicroVAX 3300, MicroVAX 3400, MicroVAX 3500, MicroVAX 3600, MicroVAX 3800, MicroVAX 3900
VAXstation:	VAXstation II, VAXstation II/GPX, VAXstation 2000, VAXstation 3100, VAXstation 3200, VAXstation 3500, VAXstation 3520, VAXstation 3540
VAXserver:	VAXserver 2000, VAXserver 3100, VAXserver 3300, VAXserver 3400, VAXserver 3500, VAXserver 3600, VAXserver 3602, VAXserver 3800 VAXserver 3900
	VAXserver 6000-210, VAXserver 6000-220, VAXserver 6000-230, VAXserver 6000-240, VAXserver 6000-310, VAXserver 6000-320, VAXserver 6000-330, VAXserver 6000-340, VAXserver 6000-350, VAXserver 6000-360, VAXserver 6000-410, VAXserver 6000-420, VAXserver 6000-430, VAXserver 6000-440, VAXserver 6000-450, VAXserver 6000-460

Block Space Requirements

For VMS Systems:

(14000 blocks) 7.1M bytes

Disk Space Requirements

For ULTRIX Systems:

Disk space required for installation: 7M bytes

Disk space required for use (permanent): 9.5M 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.

SOFTWARE REQUIREMENTS

For VMS Systems:

VMS Operating System V4.2 - V5.3

For ULTRIX Systems:

ULTRIX Operating System V3.1 - V4.0

GROWTH CONSIDERATIONS

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

DISTRIBUTION MEDIA

Tape: 9-track 1600 BPI Magtape, TK50 Streaming Tape

ORDERING INFORMATION

Software Licenses:	QL-0ZUA*-AA QL-0ZTA*-AA QL-YWJA*-AA QL-YWKA*-AA
Software Media and Documentation:	QA-0ZUAA-** QA-0ZTAA-** QA-YWJAA-** QA-YWKAA-**

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

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None

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