Software Product Description

PRODUCT NAME: MACRO-64 Assembler Version 1.1 for OpenVMS AXP Systems **SPD 42.66.01**

DESCRIPTION

MACRO-64 Assembler for OpenVMS AXP Systems is a macro assembler for programming OpenVMS AXP system computers. Source programs written in MACRO-64 are assembled into object (or binary) code by the MACRO-64 assembler, which produces an object module and, optionally, a listing file.

MACRO-64 source programs consist of a sequence of source statements. These source statements may be any of the following:

- Alpha AXP native-mode instructions
- Direct assignment statements
- Assembler directives

Because the programmer selects the instruction sequences when programming with MACRO-64, the programmer is almost entirely responsible for the performance of a MACRO-64 application.

MACRO-64 supports:

- All Alpha AXP instructions
- All Alpha AXP data types
- Macro definition and expansion capability
- Optional instruction-scheduling assistance
- Optional local code optimization

HARDWARE REQUIREMENTS

Processor and/or hardware configurations as specified in the System Support Addendum (SSA 42.66.01-x).

SOFTWARE REQUIREMENTS

- OpenVMS AXP Operating System

DOCUMENTATION REQUIREMENTS

The *Alpha Architecture Reference Manual*, order number EY-L520E-DP, describes the Alpha AXP Architecture and the instruction set used by MACRO-64. This information is *not* provided in the online documentation.

ORDERING INFORMATION

This product is available only on the Digital CDROM Software Library for OpenVMS AXP Systems, order number QA-03XAA-H8.

Software Licenses: QL-MWPA*-**

(Personal Use): QL-MWPAA-2B

Software Documentation: QA-MWPA*-GZ

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