Software Product Description

DESCRIPTION

AUDIOkit is an applications software product for DECvoice Q–bus based VAX and MicroVAX systems, developed by AUDIOtechs®, Inc. and is licensed and distributed under Digital Equipment Corporation's Standard Terms and Conditions.

AUDIOkit is comprised of a layered, modular family of software components and subsystems implemented on the Digital Equipment DECvoice platform. It can be used to create systems for interactive audiotext and voice information services, either as independent applications or as part of integrated systems incorporating other software products such as voicemail.

The major functional subsystems of AUDIOkit are:

> AUDIOads™
> AUDIObase™
> AUDIOlink™

AUDIOads

AUDIOads is a complete run-time environment for the DECvoice VAX system that provides a full range of interactive voice processing capabilities for delivery of audio information. AUDIOads requires the physical DECvoice hardware resources and DECvoice Runtime License (RTL), Version 2.0, and executes call processing scenarios previously created using AUDIObase. AUDIOads manages the interface to and interaction with the public switched telephone network, private telephone network, cellular telephone switch, or PBX where the DECvoice system is attached, and performs a broad range of call processing functions including switching and transfer of calls on a dynamic (intra-session) basis. AUDIOads uses the underlying DECvoice technology to play messages (deliver audio information) to a caller in several modes, including digitized speech and synthesized speech. It accepts input or information from the caller in several modes, including DTMF from the touch-tone keypad and automatic speech recognition, as well as digitized speech input for messaging applications.

AUDIObase

AUDIObase is used to create, organize, maintain, and access structured information about one or more AUDIOads systems, the resources in the system, and the specific applications that run on the system. Using relational database technology, AUDIObase places the information in a relational database (Rdb) and uses standard Rdb facilities to ensure database integrity, reliability, and to control all changes or updates. For example, an access code would not be valid for a run-time system unless the corresponding message file was also present. Individual AUDIOads systems are controlled by generating run-time image files of the relevant database tables and downloading them to the AUDIOads system. Carrying out the configuration and tailoring process and downloading to an AUDIOads system creates a specific Audio Information Server or package of information and call processing instructions that represent an instance of AUDIOkit for a particular application.

The lowest level building block used to create audio information programs is the Call Sequence Module (CSM). A CSM is a template or framework incorporating basic data elements (such as caller-supplied input digits) and flow control logic, for a commonly used or frequently accessed function, or call sequence; AUDIObase includes a library of predefined CSMs.

AUDIOlink

AUDIOlink consists of a collection of servers and facilities used to establish and maintain connections or linkages between various AUDIOkit subsystems, as well as to connect to other systems and applications including databases. The client/server model is used, where applications or subsystems issue requests for services, without having detailed knowledge of where the service actually resides or its internal functioning.

Automated information feeds, for example, are accessed through calls to a server that contains the specific interface protocol and parsing logic for a given information feed.

AUDIOlink provides a set of functions to connect multiple AUDIOads and AUDIObase subsystems together,

using standard communications facilities and protocols within the DECnet architecture. Systems are typically linked together to create configurations with greater resources in terms of telephone lines, memory, disk storage, or processing power than can be accommodated within a single physical system, or to allow physically distributed systems across multiple geographical locations to be managed from a single central control point. Ethernet LAN, VAXcluster, and DECnet wide area network technologies are available to provide required levels of integration across multiple physical AUDIOkit systems, and offer a range of cost and functionality choices. They are transparent to the AUDIOkit application software and are managed through standard Digital utilities.

HARDWARE REQUIREMENTS

AUDIOkit requires a valid DECvoice Q–bus VAX configuration as specified in the System Support Addendum (SSA 36.30.00-x).

In addition, AUDIOkit requires a DECstation 300 /DECstation 400 series personal computer or equivalent, connected to the DECvoice VAX system via an Ethernet local area network.

SOFTWARE REQUIREMENTS

AUDIOkit for VMS

• VMS Operating System (SPD 25.01.xx)

• DECvoice (RTL) (SPD 29.97.xx)

AUDIOKIT for DOS

• PATHWORKS for DOS
    (SPD 55.07.xx and SPD 30.50.xx)

Refer to the System Support Addendum (SSA 36.30.00-x) for availability and required versions of prerequisite /optional software.

ORDERING INFORMATION

AUDIOkit for VMS

Software License: QL-XPRA9-PB
Software Media: QA-XPRAA-H5
Software Documentation: QA-XPRAA-GZ

AUDIOkit for DOS

Software License: QL-XPSAW-AA
Software Media: QA-XPSAA-HC
Software Documentation: QA-XPSAA-GZ

SOFTWARE LICENSING

AUDIOkit for VMS is licensed per DECvoice component with each component supporting eight simultaneous telephone connections. Multiple licenses are required based on the number of DECvoice components per VAX system.

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.

SOFTWARE PRODUCT SERVICES

Software Product Services are provided by AUDIOtechs, Inc. For more information, contact AUDIOtechs, Inc. (617-966-3336) or your local Digital Office.

Services for this product are not offered by Digital Equipment Corporation.

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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™ AUDIOads, AUDIObase and AUDIOlink are trademarks of AUDIOtechs, Inc.

™ The DIGITAL Logo, CI, DECnet, DECvoice, DECstation, Q–bus, PDP, TK, VAX and VMS are trademarks of Digital Equipment Corporation.

System Support Addendum

PRODUCT NAME: AUDIOkit™, Version 1.0   **SSA 36.30.00-A**

HARDWARE REQUIREMENTS

Processors Supported

Any valid DECvoice (DTC05/DTCN5) MicroVAX/VAX configuration.   For more information, refer to the DECvoice Software Software Product Description (SPD 29.97.xx).

VAX 4000 Model 200
VAX 4000 Model 300
MicroVAX 3300 systems and servers
MicroVAX 3400 systems and servers
MicroVAX 3500 systems and servers
MicroVAX 3600 systems and servers
MicroVAX 3800 systems and servers
MicroVAX 3900 systems and servers

In addition, AUDIOkit requires a DECstation 300 /DECstation 400 series personal computer or equivalent, connected to the DECvoice VAX system via an Ethernet local area network.

Processors Not Supported

All non-Q–bus VAX, MicroVAX systems, servers and workstations not previously specified.

Disk Space Requirements (Block Cluster Size = 1):

Disk space required for installation:	500 blocks (.3M bytes)
Disk space required for use (permanent):	500 blocks (.3M bytes)

Note: User program and voice files require additional space.

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

Additional DECvoice VAX systems may be configured to increase system capacity. Additional personal computers may also be added to the configuration to allow additional users access to the database and other information on the VAX system.

CLUSTER ENVIRONMENT

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

* 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

AUDIOkit for VMS

- VMS Operating System V5.4 (SPD 25.01.xx)

- DECvoice V2.0 (RTL) (SPD 29.97.xx)

AUDIOKIT for DOS

- PATHWORKS for DOS V4.0
    (SPD 55.07.xx and SPD 30.50.xx)

OPTIONAL SOFTWARE

AUDIOKIT for DOS

- DECquery for DOS V1.0 (SPD 34.11.xx)

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

For AUDIOkit VMS

TK50 Cartridge Tape

For AUDIOkit DOS

3.5 inch Floppy Diskette

ORDERING INFORMATION

AUDIOkit for VMS

Software License: QL-XPRA9-PB
Software Media: QA-XPRAA-H5
Software Documentation: QA-XPRAA-GZ

AUDIOkit for DOS

Software License: QL-XPSAW-AA
Software Media: QA-XPSAA-HC
Software Documentation: QA-XPSAA-GZ

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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