



Software Product Description

PRODUCT NAME: BASEstar Open DAS for Modicon, Version 3.0

SPD 55.51.03

DESCRIPTION

The BASEstar Open Device Access Software (DAS) for Modicon allows users to access Modicon Programmable Logic Controllers (PLCs) through BASEstar Open Device Services, BASEstar Open Data Services or DEComni Services.

Via BASEstar Open Device Services the user may configure device and variable definitions, read and write variable values, and configure for polled data collection and information reports.

BASEstar Open Data Services provide device independent access to shop floor data allowing the user to configure data points, read and write data point values and generate events based on data changes.

Users can also perform a variety of device access functions for Modicon PLCs using the Modicon DAS by interfacing directly to DEComni APIs.

The BASEstar Open DAS for Modicon supports the following Modicon PLCs:

- Modicon Micro 84
- Modicon 184, 384, 484, 584M, 584L, 884
- Modicon 984 family of devices

The Modbus protocol is supported on both Digital UNIX on Alpha and OpenVMS VAX platforms, while Modbus Plus support is limited to the OpenVMS platforms.

HARDWARE REQUIREMENTS

Processors Supported

The processors supported by the following products will also support the DAS for Modicon:

- BASEstar Open Server for OpenVMS VAX (development and runtime)
- BASEstar Open Server for OpenVMS Alpha (development and runtime)

- BASEstar Open Server for Digital UNIX (development and runtime)
- DEComni for OpenVMS VAX
- DEComni for OpenVMS Alpha
- DEComni for Digital UNIX

Other Hardware Required:

Support for the Modbus Plus protocol on OpenVMS VAX systems requires a Q-bus interface, plus a special hardware card and software driver supplied by Modicon.

Support for the Modbus Plus protocol on OpenVMS Alpha systems requires an ISA-bus interface, plus a special hardware card supplied by Modicon and a special software driver supplied by IPACT.

Please contact Modicon Corporation and/or IPACT (Integrated Process Automation & Control Technologies) for the required hardware and software part numbers for each Interface.

Disk Space Requirements (Block Cluster Size = 1)

For Digital OpenVMS VAX and Alpha Kits

Disk space required for installation	1,000 blocks
Disk space required for use (permanent)	500 blocks

For Digital UNIX Kits

Disk space required for installation	8,000 blocks
Disk space required for use (permanent)	5,000 blocks

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 OpenVMS VAX Systems:*

- OpenVMS VAX Operating System Version 6.1, 6.2
- DEComni for OpenVMS VAX Version 3.0, or
- BASEstar Open Server for OpenVMS VAX Version 3.0

For OpenVMS Alpha Systems:

- OpenVMS Alpha Operating System Version 6.1, 6.2
- DEComni for OpenVMS Alpha Version 3.0, or
- BASEstar Open Server for OpenVMS Alpha Version 3.0

For Digital UNIX Systems:

- Digital UNIX Operating System Version 3.2
- DEComni for Digital UNIX Version 3.0, or
- BASEstar Open Server for Digital UNIX Version 3.0

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*for OpenVMS VAX:*

This product is available as part of the Digital OpenVMS VAX Consolidated Software Distribution on CDROM. It is also available on TK50 Streaming Tape.

for OpenVMS Alpha:

This product is available as part of the Digital OpenVMS Alpha Consolidated Software Distribution on CDROM.

for Digital UNIX:

This product is available as part of the Digital UNIX Consolidated Software Distribution on CDROM.

ORDERING INFORMATION*For OpenVMS VAX*

Software Licenses: QL-11JA*-**
 Software Documentation: QA-11JAA-**
 Software Product Services: QT-11JA*-**

For OpenVMS Alpha

Software Licenses: QL-4V7A*-**
 Software Documentation: QA-4V7AA-**
 Software Product Services: QT-4V7A*-**

For Digital UNIX Alpha

Software Licenses: QL-11HA*-**
 Software Documentation: QA-11HAA-**
 Software Product Services: QT-11HA*-**

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

SOFTWARE LICENSING

This software is furnished only under a license. For more information about Digital's licensing terms and policies, contact your local Digital office.

License Management Facility Support

The product supports the License Management Software. For the OpenVMS VAX and Alpha versions the OpenVMS License Management Facility is used, while on Digital UNIX, the Digital UNIX License Management Facility is used.

Documentation

The product provides an Installation and Reference guide for the situation in which DEComni alone is supported and another Installation and Reference manual for the situation in which BASEstar Open is supported.

SOFTWARE PRODUCT SERVICES

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.

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

© 1996 Digital Equipment Corporation. All rights reserved.

® UNIX is a registered trademark of UNIX System Laboratories, Inc.

® Modbus and Modbus Plus are trademarks of Modicon Corporation.

™ The DIGITAL Logo, BASEstar Open, DEC, DEComni, DECwindows, Digital, MicroVAX, OpenVMS, TK, and VAX are trademarks of Digital Equipment Corporation.