COMPAQ

Software Product Description

PRODUCT NAME: BASEstar Classic DAS for Modicon Programmable Controllers, Version 3.4A
SPD 64.69.02

DESCRIPTION

The BASEstar Classic DAS for Modicon Programmable Controllers allows users to access Modicon Programmable Controllers through BASEstar Device Connect Manager (DCM).

Via BASEstar Classic DCM, the user may configure path, type, device and physical point definitions, and also configure for polled and unsolicited data collection.

Using the BASEstar Classic DAS for Modicon Programmable Controllers, users or applications can perform a variety of device access functions for Modicon devices. Examples of functions supported for these devices include: reading and writing data, uploading and downloading logic programs, and reading the status of a device. The DAS for Modicon Programmable Controllers also supports structured data, which allows structures to be imposed upon plant-floor data.

The BASEstar Classic DAS for Modicon Programmable Controllers supports the following Modicon devices and networks:

- Modicon Quantum Automation Series™ of programmable controllers (when configured as Modicon 984 programmable controllers)
- Modicon 984 Family of programmable controllers
- Modicon 884™ programmable controller
- Modicon 584L and 584M™ programmable controllers
- Modbus®
- Modbus Plus™
- TCP/IP

The BASEstar Classic DAS for Modicon Programmable Controllers supports the following device access functions:

- An Upload function that transfers the contents of a device's memory to a VMS file
- A Download function that transfers the contents of a VMS file to a device's memory
- Start and Stop functions that change the operating mode of a programmable controller
- A Read Data function that allows users and applications to read data from a specific address in device memory
- A Write Data function that allows users and applications to write data to a specific address in device memory
- A Read Status function that returns the following information:
  - — Processor type
  - — Executive identification
  - — Memory protection
  - — Application memory
  - — Processor state
- Receive Unsolicited Data from a device

HARDWARE REQUIREMENTS

Processors Supported

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

- BASEstar Classic Server for OpenVMS VAX V3.4 (development and runtime)
- BASEstar Classic Server for OpenVMS Alpha V3.4 (development and runtime)

Other Hardware Required:

Support for the Modbus Plus protocol on OpenVMS VAX systems requires a Q–bus interface, plus a special hardware card (SQ85) 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 (SA85-002) supplied by Modicon and a special software driver supplied by IPACT.

Support for TCP/IP requires a Modicon Quantum Ethernet TCP/IP module; 140 NOE 211 00 for twisted pair or 140 NOE 251 00 for optical cable.

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 Compaq OpenVMS VAX and Alpha Kits

Disk space required for installation	1,000 blocks
Disk space required for use (permanent)	700 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 5.5-2, 6.1, 6.2, 7.0, 7.1, 7.2
- BASEstar Classic Server for OpenVMS VAX Version 3.4

For OpenVMS Alpha Systems:

- OpenVMS Alpha Operating System Version 6.1, 6.2, 7.0, 7.1, 7.2
- BASEstar Classic Server for OpenVMS Alpha Version 3.4

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 Compaq 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 Compaq OpenVMS Alpha Consolidated Software Distribution on CDROM.

ORDERING INFORMATION

For OpenVMS VAX

Software Licenses: QL-5K2A9-**
Software Documentation: QA-5K2AA-**
Software Product Services: QT-5K2A*-**

For OpenVMS Alpha

Software Licenses: QL-5K1A9-**
Software Documentation: QA-5K2AA-GZ
Software Product Services: QT-5K1A*-** QT-5K2AA-KZ

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

SOFTWARE LICENSING

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License Management Facility Support

This product supports the OpenVMS License Management Facility (LMF) Software on VAX and Alpha.

Documentation

A single "Installation & User's Guide" covers both the VAX and Alpha versions of this software.

SOFTWARE PRODUCT SERVICES

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

SOFTWARE WARRANTY

This software is provided by Compaq with a 90 day conformance warranty in accordance with the Compaq warranty terms applicable to the license purchase.

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