

Highlights

Conductor VMS is a full-featured Human System Interface (HSI) specifically designed for Bailey[®] Hartmann & Braun Symphony Enterprise Management and Control System. It complements the inherent function of the Symphony system with a suite of operator directed features and functions that are ergonomically designed to facilitate process monitoring, control, fault mitigation and optimization. Conductor VMS provides Symphony system users with dynamic access to plant-wide or enterprise-wide information. Conductor VMS software is available for AlphaTM, X-Terminal, and Windows NT[®] based PCs. The client (X-Terminal server) software is available as a software only product. The server (X-Terminal client) is a part of the server hardware configuration.

Feature	Characteristic/Value
Alarm Display Panels	
Total panels	4/keyboard
Points/panel	32 (64 with shift key)
Alarm Status Field	
Status	2 characters
Quality	1 character
Groups	2 characters
Data Fields	
Time	10 characters
Date	12 characters
Tag name	14 characters
Tag descriptor	32 characters
Customer ID	32 characters
Alarm comment	64 characters/alarm level
Tag status	5 characters
Display	
Displays or graphics	1,500
Dynamics per display	400
Operator configurable displays	25
Operating system	OpenVMS TM AXP TM
Tags/points	30,000
Generated windows	8



Feature	Characteristic/Value
Event Log Format Configurable Number of lines Max. characters/line	Yes 1 or 2 132
Event Summary Attributes Max No. of entries/full page No. lines per event Max. No. of alarms Foreground colors Background colors	24 1, 2, or 4 1,000/console 64 64
Event Summary Elements Comments Alarm condition status Quality status Group ID Tag name Text string	64 characters/alarm level 2 characters 1 character 2 characters 14 characters 80 characters
Logging Event logs SOE reports Logs	Up to 20,000 events 160 300
Log Parameters Log name Log description ASCII text Maximum characters/log	8 characters 32 characters 80 characters 5,120
Special Event Reports Alarm summary reports No. of entries/report	12 1,000
Standard Structures Groups Priority	99 12
Trend Display Features No. of variables/display Max data points Display call-up	5 960 Less than 1 sec
Trending Real time data Historical data Enhanced trends Maximum trend storage Total (operator assignable) Update frequency Period	2,000 2,000 Configuration dependent Configuration dependent 20 2 sec 2 hr

Conductor VMS (Signature) Series 44 Workstation

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
C	-	I	-	S	V	4	4	S	-	-	-	-	-	-	-	-	-	-	Base Nomenclature - Software and Hardware ^{1,2}
																			Processor/Monitor Configuration
										A	-	-	-	-	-	-	-	-	Auxiliary terminal
										C	-	-	-	-	-	-	-	-	Auxiliary monitor (side by side)
										M	-	-	-	-	-	-	-	-	Main terminal
										S	-	-	-	-	-	-	-	-	Signature shell with monitor only
										T	-	-	-	-	-	-	-	-	Auxiliary terminal with dual graphic output ³
										X	-	-	-	-	-	-	-	-	Main terminal with dual graphic output ³
																			Bay Type
										0	-	-	-	-	-	-	-	-	Flying beam only
										1	-	-	-	-	-	-	-	-	Pedestal without factory-installed stabilizers
										2	-	-	-	-	-	-	-	-	Pedestal with factory-installed stabilizers
										3	-	-	-	-	-	-	-	-	Factory-installed left side stabilizer only
										4	-	-	-	-	-	-	-	-	Factory-installed right side stabilizer only
																			Left Pod for Monitor
										0	-	-	-	-	-	-	-	-	No left pod
										1	-	-	-	-	-	-	-	-	ADP in top position only
										2	-	-	-	-	-	-	-	-	ADP in bottom position only
										3	-	-	-	-	-	-	-	-	ADP in top and bottom positions
										9	-	-	-	-	-	-	-	-	Blank inserts in both ADP positions
																			Right Pod for Monitor
										0	-	-	-	-	-	-	-	-	No right pod
										1	-	-	-	-	-	-	-	-	ADP in top position only
										2	-	-	-	-	-	-	-	-	ADP in bottom position only
										3	-	-	-	-	-	-	-	-	ADP in top and bottom positions
										9	-	-	-	-	-	-	-	-	Blank inserts in both ADP positions
																			Touch Screen
										0	-	-	-	-	-	-	-	-	None
										T	-	-	-	-	-	-	-	-	Touch screen on each monitor
																			Color Selection
										0	-	-	-	-	-	-	-	-	Symphony colors
										1	-	-	-	-	-	-	-	-	INFI 90 [®] OPEN colors
																			Language⁴
										0	-	-	-	-	-	-	-	-	English
										2	-	-	-	-	-	-	-	-	Russian
										3	-	-	-	-	-	-	-	-	French
										4	-	-	-	-	-	-	-	-	Chinese
										5	-	-	-	-	-	-	-	-	Norwegian
										6	-	-	-	-	-	-	-	-	Swedish
										7	-	-	-	-	-	-	-	-	Danish
																			Bay Work Surface
										0	-	-	-	-	-	-	-	-	None
										1	-	-	-	-	-	-	-	-	Large stand-alone (S1)
										2	-	-	-	-	-	-	-	-	Curved (S2)
										3	-	-	-	-	-	-	-	-	Straight array (S3)
										4	-	-	-	-	-	-	-	-	Left end 22.5° (S4)
										5	-	-	-	-	-	-	-	-	Right end 22.5° (S5)
																			Work Surface Mounting
										0	-	-	-	-	-	-	-	-	None
										1	-	-	-	-	-	-	-	-	Fixed
										2	-	-	-	-	-	-	-	-	Adjustable (120 VAC)
										3	-	-	-	-	-	-	-	-	Adjustable (240 VAC)

Notes:

1. Includes S-IU-44S software.
2. CE Mark is standard for all Signature Class units.
3. Requires C-I-SV44S-C auxiliary monitor in an adjacent bay.
4. Provides necessary hardware only. Specific language keyboards are shipped with the Signature Series. Language software must be ordered separately.

Conductor VMS Series 44 Workstation

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
C	-	I	-	C	V	4	4	S	-	-	-	-	-	-	-	-	-	-	Base Nomenclature - Standard Configuration
																			Base Software and Processor Platform
										A	-	-	-	-	-	-	-	-	Conductor VMS on DMCC AlphaStation™
																			Monitor Position
											1	-	-	-	-	-	-	-	Lower
											2	-	-	-	-	-	-	-	Upper
											3	-	-	-	-	-	-	-	Upper and lower
											A	-	-	-	-	-	-	-	Driver cabinet - electronics only, no monitor
											D	-	-	-	-	-	-	-	Driver cabinet - dual electronics only, no monitor
											N	-	-	-	-	-	-	-	Driver kit ¹
																			Loop Interface
												1	-	-	-	-	-	-	INFI-NET®
																			Touch Screen²
												0	-	-	-	-	-	-	None
												T	-	-	-	-	-	-	Touch screen on each monitor
																			Reserved for Future Use
													0	-	-	-	-	-	Must be zero
																			Archival Storage³
													0	-	-	-	-	-	None
													1	-	-	-	-	-	DAT magnetic tape (driver cabinet mounting)
													2	-	-	-	-	-	Optical disk drive (driver cabinet mounting)
													3	-	-	-	-	-	DAT magnetic tape and optical disk drive (driver cabinet mounting)
																			Reserved for Future Use
													0	-	-	-	-	-	Must be zero
																			Language⁴
													0	-	-	-	-	-	English
													2	-	-	-	-	-	Russian
													3	-	-	-	-	-	French
													4	-	-	-	-	-	Chinese
													5	-	-	-	-	-	Norwegian
													6	-	-	-	-	-	Swedish
													7	-	-	-	-	-	Danish
																			CE Compliance
																			0 Standard
																			1 CE certified

Notes:

1. Same components as option A, but without the cabinet. For use when a custom mounted 44S server is required.
2. Option not valid when specifying driver cabinets.
3. The archival storage option is only valid when specifying driver cabinets. The table top DAT tape drive (IIDMT03B) can be used with all workstations, except those with a 1 or 3 in nomenclature position 16. The table top optical disk drive (IIDOP04B) can be used with all workstations except those with a 2 or 3 in nomenclature position 16.
4. Provides necessary hardware only. Specific language keyboards are shipped with the workstations and auxiliary terminals. Language software must be ordered separately.

Conductor VMS Series 44 Auxiliary Terminal

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
C	-	I	-	C	V	4	4	C	-	-	-	-	-	-	-	-	-	-	Base Nomenclature - Software and Hardware
																			Unit Type
										2	-	-	-	-	-	-	-	-	Console (includes ADP panel)
																			Monitor Position
										3	-	-	-	-	-	-	-	-	Upper and lower
																			Reserved for Future Use
										0	-	-	-	-	-	-	-	-	Enter zero
																			Touch Screen
										0	-	-	-	-	-	-	-	-	None
										T	-	-	-	-	-	-	-	-	Touch screen on each monitor
																			Reserved for Future Use
											0	0							Enter zeros
																			Language¹
																		0	English
																		2	Russian
																		3	French
																		4	Chinese
																		5	Norwegian
																		6	Swedish
																		7	Danish
																			Reserved for Future Use
																		0	Enter zeros
																			CE Compliance
																			0 Standard
																			1 CE certified

Notes:

1. Provides necessary hardware only. Specific language keyboards are shipped with the workstations and auxiliary terminals. Language software must be ordered separately.

Conductor VMS Server Software Upgrade

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20						
S - I U - 4 4 S - S -											Base Nomenclature - Basic 40 Series Server Software¹														
											Revision Level Being Ordered														
											w	x									i.e., H2 or 30 (00 specifies the latest revision)				
											Currently Installed Revision Level														
													y	z									i.e., E1, H2, H1, 10, 20		
											Server Platform														
													2									OIS42 or IS42 (DEC™ 3000/30)			
													3									OIS43, IS43, SV43S or CV43S (DEC 255/233)			
													4									CV44S or SV44S (DMCC)			
											Reserved for Future Use														
													0									Enter zero			
											Quantity of @aGlance/IT™ Clients														
													0									Basic license support for one client			
													1									Support for up to five clients			
													2									Support for up to 10 clients			
											DEC Operating System License Upgrades²														
													0									None required			
													1									OpenVMS			
													2									NAS150			
													3									Both OpenVMS and NAS150			
											Optional DEC Documentation														
													0									No DEC manuals			
													1									Set of VMS 7.1 manuals			

Notes:

- Includes server license for one @aGlance client and software for the OIC42s (XP-400 based clients). Refer to S-IB-44C and S-IU-OIC nomenclature for other client software.
- If processor is dated before 1 March 1977: VMS and NAS upgrades are required.
 If processor is dated between 1 March 1977 and 20 February 1998: NAS upgrade is required.
 If processor is dated after 10 February 1998: no upgrade is required.

Conductor VMS NT Client Software

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
S	-	I	B	-	4	C	-	C	-	-	-	-	-	-	-	-	-
																	Base Nomenclature - Software and License^{1,2}
																	Revision Level Being Ordered
																	i.e., 10 (00 specifies the latest revision)
																	Currently Installed Revision Level
																	Enter 00 if not an upgrade
																	Reserved for Future Use
																	Must be zero
																	Software Media Choice³
																	0 Client and server on CD-ROM
																	1 Client on CD-ROM; Server (OIS41) on DAT
																	Reserved for Future Use
																	0 Must be zero

Notes:

1. Software and license are required for each client. A dual CRT client requires only one license.
2. Minimum server revisions supported:

Console (Server)	ADPs, Tones, and Relays	
	Without	With ¹
OIS41 Revision G Series ²	G.3.7	G.3.A and later
OIS42/Signature 42 Revision G Series	G.3.7	G.3.A and later
OIS/Signature 42/43 Revision H Series	H.2.3	H.2.4 and later
OIS/Signature 42/43 Revision J Series	J.1.2	Upgrade to 3.01
Conductor VMS Revision 3.x Series	3.0	CVMS 3.0.1 and later

Notes:

1. For earlier server revisions, please read *Helpful Hints* in the *NT Client Release Notes*.
2. OIS41 does not support the X-Windows Backing Store Feature.

3. A special DAT tape is necessary if the 44C client is served by an OIS41 because the OIS41 does not support CD-ROM.

Conductor VMS X-Terminal Software Upgrade

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
S	-	I	U	-	O	I	C	-	C	-	-	-	-	-	-	-	-
																	Base Nomenclature - Software and License¹
																	Revision Level Being Ordered²
																	i.e., G3, H.2, or 30 (00 specifies the latest revision)
																	Currently Installed Revision Level
																	Enter 00 if not an upgrade
																	Client Platform
																	1 OIC41 (DEC 4000/VLC or 4000/60)
																	3 OIC43, IS43XT (DEC 255/233)
																	4 CV44C, SV44ST (DEC DMCC)
																	Reserved for Future Use
																	0 0 Must be zero

Notes:

1. Software for OIC42s Tektronix[®] X-Terminals is included with Conductor VMS server base software.
2. H.2 is the latest release for the OIC41. Only 3.0 is available for the OIC43. OIC43s with 3.0 can operate with servers running H.2.x as well as Conductor VMS 3.0.

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