

5330/1 3U VPX 3Gbps Dual Drive Carrier / Controller Card

533

4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 (18 - 20 Project Spec.)

4) Air or conduction cooled

- 0 = air cooled (faceplate)
- 1 = conduction cooled (no faceplate)

5,6,7,8) 2.5" Drive capacity, both drives same capacity *

- xxxG
- xxxT

Example

064G = 64GB drive
500G = 500GB drive
012T = 1.2TB drive

9,10) Drive RPM

- 54
- 72
- 00 (solid state drive)

11,12,13) 2.5" Drive Type

- RSD = standard duty rotating
- RED = enhanced duty rotating
- RXD = extended duty rotating
- SSS = commercial solid state SLC
- SSM = commercial solid state MLC
- STS = extended temp solid state SLC
- STM = extended temp solid state MLC

14) REDI Side Covers

standard configuration includes primary and secondary covers*

- B = primary and secondary side covers for conduction or convection cooled versions, 5HP configuration is standard

15) Signal ground isolation s

(Some applications may require signal ground isolation)

- Y/N

16) Conformal Coating

- Y/N

17) Temperature Requirements

- S = 0°C to +55°C
- E = -40C to +85 convection cooled or -40C to +75C conduction cooled (solid state drives only in both cases)
- O = Other

*Consult Elma for the complete range of available drive capacities.

**Standard configuration includes 5HP with REDI covers and offset faceplate Standard configuration includes dual drives. The model description on all quotes must include any

5332-3 3U VPX 6Gbps Dual Drive Carrier r5

533

4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 (18 - 20 Project Spec.)

4) Air or conduction cooled

- 2 = air cooled (faceplate)
- 3 = conduction cooled (no faceplate)

5,6,6,8) 2.5" Drive capacity, both drives same capacity *

- xxxG
- xxxT

Example

064G = 64GB drive
500G = 500GB drive
012T = 1.2TB drive

9,10) Drive RPM

- 54
- 72
- 00 (solid state drive)

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- S = 0°C to +55°C
- E = -40C to +85 convection cooled or -40C to +75C conduction cooled (solid state drives only in both cases)
- O = Other

*Consult Elma for the complete range of available drive capacities.

**Standard configuration includes 5HP with REDI covers and offset faceplate
Standard configuration includes dual drives.

The model description on all quotes must include any other specific drive attributes necessary to fulfilling the application requirement.

12R2 System - Keying

12R2 ----- *(Open)
 1 2 3 4 5 6 7 8 9 10 11 12 13 14

1,2) Num. of Slots BP

00-21: Single BP

AA-YY: Split

Example: 7 slot = 07

Example: 12 + 9 = LI

3) BP Bare board

- A = oVPX, 6U, 1" (VITA 65)
- B = oVPX, 3U, 1" (VITA 65)
- C = oVPX, 6U, .8" (VITA 65)
- D = oVPX, 3U, .8" (VITA 65)
- H = oVPX, 6U, 1" + .8" (VITA 65)
- I = oVPX, 3U, 1" + .8" (VITA 65)
- L = VXS (DS)
- M = V64, J12 mono, 3 row
- N = VME64X, 6U
- O = VME64X, 7U
- P = VPX, 6U (VITA 46)
- W = VPX, 3U (VITA 46)
- S = VXS (SS)
- T = VXS (Mesh)
- U = CPCI Express, 3U
- X = No BP installed
- Z = Custom

4) BP Connector Config: J1/J2/P0

- D = CPCI (P1 & P2 S; P3, P4, P5 I)
- L = 5 row, RT-2 PO & SW
- M = 3 row, J1 flush, J2 13mm
- N = 3 row, J1/J2, 17mm
- O = 5 row, w/o PO
- P = 5 row, w/ PO
- S = RT-2(J0-J6) 6U
- U = RT-2 (J0-J2) 3U
- V = RT-2(J0-J6) 6U, RTM
- W = RT-2 (J0-J2) 3U, RTM
- X = No Connectors
- Z = Custom

5) Drives

- 1 = 1 X 3.5"
- 2 = 2 X 3.5"
- 3 = 1 X 5.25" HH
- 4 = 2 X 5.25" HH
- 5 = 4 X 5.25" HH
- 6 = 2 X 3.5", 1 X 5.25"HH
- 7 = 1 X 3.5", 2 X 5.25"HH
- 8 = 2 X 3.5", 2 X 5.25"HH
- 9 = 1 X 3.5", 1 X 5.25"HH
- A = 1 2.5", 1 X CDROM (SL)
- B = 2 X 2.5"
- C = 6 x 5.25" HH
- D = 1 x slim line CDROM
- E = 1 X 1.8", 1X CDROM(SL)
- F = 2 X 1.8"
- G = Single slot 3U mounting space
- H = Dual slot 3U mounting space
- I = Single slot 6U mounting space
- J = Dual slot 6U mounting space
- X = Not installed
- Z = Custom

6) Device Mounting

- F = Fixed mount devices
- I = Shock isolated devices

7) Height

- 5 = 5U
- 8 = 8U
- 9 = 9U
- A = 10U
- C = 12U
- E = 14U

8) Width

- 8 = 84T

9) Card Cage

- Y = Fixed w/Rear I/O
- N = Fixed no Rear I/O
- F = Isolated w/Rear I/O
- I = Isolated no/Rear I/O

10) Depth

- 4 = 400mm - 499mm
- 5 = 500mm - 599mm (22")
- 6 = 600mm - 699mm (25")
- 7 = 700mm - 799mm

11) Card Orientation

- V = Vertical
- H = Horizontal
- T = Top Load

12) PSU Input

- G = 90-230VAC (Plug In)
- H = 48VDC (Plug In)
- K = 48VDC (Fixed)
- M = 48VDC (2 x HS, N+1)
- N = 28VDC (Fixed)
- O = 28VDC (2 x HS, N+1)
- P = 90-230VAC(2 x HS, N+1)
- Q = MIL-STD-704A, 28VDC
- R = MIL-STD-704A, 90-230VAC
- S = Custom
- X = No PSU

13) PSU Output

(Note: Not all PSU combinations available)

- 1 = 100-199 (w/o 3.3V)
- 2 = 200-299 watts (w/o 3.3V)
- 3 = 300-399 watts (w/o 3.3V)
- 4 = 400-499 watts (w/o 3.3V)
- 5 = 500-599 watt (w/o 3.3V)
- 6 = 600-699 watt (w/o 3.3V)
- 7 = 700-799 watt (w/o 3.3V)
- 8 = 800-899 watt (w/o 3.3V)
- 9 = 900-999 watt (w/o 3.3V)
- A = 100-199 watt (w/ 3.3V)
- B = 200-299 watt (w/3.3V)
- C = 300-399 watt (w/3.3V)
- D = 400-499 watt (w/3.3V)
- E = 500-599 watt (w/3.3V)
- F = 600-699 watt (w/ 3.3V)
- G = 700-799 watt (w/ 3.3V)
- H = 800-899 watt (w/3.3V)
- I = 900-999 watt (w/3.3V)
- J = 1000-1099 watt (w/3.3V)
- K = 1100-1199 watt (w/3.3V)
- L = 1200-1299 watt (w/3.3V)
- M = 1300-1399 watt (w/3.3V)
- N = 1400-1499 watt (w/3.3V)
- X = Not installed

14) Shielding Level

- 2 = Level 2
- 4 = MIL-STD-461
- T = Tempest
- X = Not installed

565x 6UVPX Fixed Drive SATA Storage Modules - Keying

565

4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

(18 - 20 Project Spec.)

4) Configuration

- 0 = Three 2.5" drives, air cooled
- 1 = 2.5" drive and one DVD R/W
- 2 = Three 2.5" drives, conduction cooled

5, 6) Drive RPM

- 54
- 72
- 00 (solid state drive)

* (7, 8, 9, 10) 2.5" Drive capacity (configuration 2 – all drives same capacity)

- xxxG
- xxxT

Example

064G = 64GB drive

500G = 500GB drive

012T = 1.2TB drive

000G = no drive installed

(Applicable to configuration 0 and 2 only)

*Consult Elma for the complete range of available drive capacities.

14) REDI Side Covers

standard configuration includes primary and secondary covers*

- B = primary and secondary side covers for conduction or convection cooled versions, 5HP configuration is standard

15) Signal ground isolation s

(Some applications may require signal ground isolation)

- Y/N

16) Conformal Coating

- Y/N

17) Temperature Requirements

- S = +5°C to +45°C with DVD or 0°C to +55°C with commercial HDD or SSD
- E = -40°C to 75°C
- O = Other

11, 12, 13) 2.5" Drive Type

- RSD = standard duty rotating
- RED = enhanced duty rotating
- RXD = extended duty rotating
- SSS = commercial solid state SLC
- SSM = commercial solid state MLC
- STS = extended temp solid state SLC
- STM = extended temp solid state MLC

CPCI System - Keying

11C,15C,15H,32C,39C

*Open

1 2 3 4 5 6 7 8 9 10 11 12 13 14

1,2) Num. of Slots BP

00-21: Single BP

AA-YY: Split

- 02 = 2 slot
- 04 = 4 slot DD = 4+4
- 06 = 6 slot FF = 6+6
- 08 = 8 slot HH = 8+8
- 16 = 16 slot

3) BP Bare board

- A = 6U Eco, ATX, (RSS)
- B = 3U Rev. 2.0
- C = 6U H110
- D = 6U (LSS)
- E = 2.16, 1 x FS (no H.110)
- F = 2.16, 2 x FS (no H.110)
- H = 2.16, 2 x FS (w/ H.110)
- I = 2.16, 1 x FS (w/ H.110)
- J = 2.17, 1 x FS (no H.110)
- L = CPCI Serial
- S = PXI
- X = No BP installed
- Z = Custom

4) BP Connector Config: P1-P5

- A = P1 & P2 S; No P3,P4, P5
- B = P1 S, P2 L; No P3,P4, P5
- C = P1, P2 & P4 S; P3 & P5 L
- D = P1 & P2 S; P3, P4, P5 L
- E = P1 S; P2, P3, P4, P5 L
- F = P1 & P4 S; P2, P3, P5 L
- G = P1 & P2 S; P3 L, no P4, P5
- H = 2 x PC: P1, P2 & P4 S; P3 & P5 L
- I = 2 x 47 PIN Power
- J = ZD (High Speed)
- K = eHM + ZD + power conn
- X = No connectors
- Z = Custom

5) Drives

- 1 = 1 X 3.5"
- 2 = 2 X 3.5"
- 3 = 1 X 5.25" HH
- 4 = 2 X 5.25" HH
- 5 = 4 X 5.25" HH
- 6 = 2 X 3.5", 1 X 5.25"HH
- 7 = 1 X 3.5", 2 X 5.25"HH
- 8 = 2 X 3.5", 2 X 5.25"HH
- 9 = 1 X 3.5", 1 X 5.25"HH
- A = 1 2.5", 1 X CDROM (SL)
- B = 2 X 2.5"
- C = 1 X 1.8", 1X CDROM(SL)
- D = 2 X 1.8"
- E = Single slot 3U mounting space
- F = Dual slot 3U mounting space
- G = Single slot 6U mounting space
- H = Dual slot 6U mounting space
- X = Not installed
- Z = Custom

6) Height

- 1 = 1U
- 2 = 2U
- 3 = 3U
- 4 = 4U
- 6 = 6U
- 7 = 7U
- 9 = 9U
- A = 10U
- C = 12U

7) Width

- 3 = 32T
- 4 = 42T (49T)
- 6 = 63T
- 8 = 84T

8) Rear I/O

- N = No
- Y = Yes

9) Depth

- 2 = 200-299mm
- 3 = 300-399mm
- 4 = 400-499mm

10) Card Orientation

- V = Vertical
- H = Horizontal

11) PSU Input

- A = 110/220VAC (Plug In)
- C = 90-230VAC (Fixed)
- D = 90-230VAC (2xQC, N+1)
- E = 110/220VAC (2 x HS, N+1)
- G = 90-230VAC (Plug In)
- H = 48VDC (Plug In)
- J = 24VDC (Plug in)
- K = 48VDC (Fixed)
- M = 48VDC (2 x HS, N+1)
- P = 90-230VAC(2 x HS, N+1)
- Q = 90-230VAC(3 x HS, N+1)
- R = 28VDC (Fixed)
- S = 48VDC (3 x HS, N+1)
- X = No PSU

12) PSU Output

(Note: Not all PSU combinations available)

- 1 = 100-199 (w/o 3.3V)
- 2 = 200-299 watts (w/o 3.3V)
- 3 = 300-399 watts (w/o 3.3V)
- 4 = 400-499 watts (w/o 3.3V)
- 5 = 500-599 watt (w/o 3.3V)
- 6 = 600-699 watt (w/o 3.3V)
- 7 = 700-799 watt (w/o 3.3V)
- 8 = 800-899 watt (w/o 3.3V)
- 9 = 900-999 watt (w/o 3.3V)
- A = 100-199 watt (w/ 3.3V)
- B = 200-299 watt (w/3.3V)
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- K = 1100-1199 watt (w/3.3V)
- L = 1200-1299 watt (w/3.3V)
- M = 1300-1399 watt (w/3.3V)
- N = 1400-1499 watt (w/3.3V)
- X = Not installed

13) Voltage I/O

- 3 = 3.3V
- 5 = 5V
- X = Not installed

VITA System - Keying

11V, 12V, 14V, 15V, 32V, 39V

1 2 3 4 5 6 7 8 9 10 11 12 13

* (Open)

1,2) Num. of Slots BP

00-21: Single BP

AA-YY: Split

Example: 7 slot = 07

Example: 12 + 9 = LI

3) BP Bare board

- A = oVPX, 6U, 1" (VITA 65)
- B = oVPX, 3U, 1" (VITA 65)
- C = oVPX, 6U, .8" (VITA 65)
- D = oVPX, 3U, .8" (VITA 65)
- H = oVPX, 6U, 1" + .8" (VITA 65)
- I = oVPX, 3U, 1" + .8" (VITA 65)
- L = VXS (DS)
- M = V64, J12 mono, 3 row
- N = VME64X, 6U
- O = VME64X, 7U
- P = VPX, 6U (VITA 46)
- W = VPX, 3U (VITA 46)
- S = VXS (SS)
- T = VXS (Mesh)
- X = No BP installed
- Z = Custom

4) BP Connector Config: J1/J2/P0

- L = 5 row, RT-2 PO & SW
- M = 3 row, J1 flush, J2 13mm
- O = 5 row, w/o PO
- P = 5 row, w/ PO
- S = RT-2(J0-J6) 6U
- U = RT-2 (J0-J2) 3U
- V = RT-2(J0-J6) 6U, RTM
- W = RT-2 (J0-J2) 3U, RTM
- X = No Backplane
- Y = Hybrid

5) Drives

- 1 = 1 X 3.5"
- 2 = 2 X 3.5"
- 3 = 1 X 5.25" HH
- 4 = 2 X 5.25" HH
- 5 = 4 X 5.25" HH
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6) Height

- 1 = 1U
- 2 = 2U
- 3 = 3U
- 4 = 4U
- 6 = 6U
- 7 = 7U
- 9 = 9U
- A = 10U
- C = 12U

7) Width

- 3 = 32T
- 4 = 42T (49T)
- 6 = 63T
- 8 = 84T

8) Rear I/O

- N = No
- Y = Yes

9) Depth

- 2 = 200-299mm
- 3 = 300-399mm
- 4 = 400-499mm
- 5 = 500mm – 599mm
- 6 = 600mm – 699mm

10) Card Orientation

- V = Vertical
- H = Horizontal
- T = Top Load

11) PSU Input

- A = 110/220VAC (Plug In)
- C = 90-230VAC (Fixed)
- E = 110/220VAC (2 x HS, N+1)
- G = 90-230VAC (Plug In)
- H = 48VDC (Plug In)
- K = 48VDC (Fixed)
- M = 48VDC (2 x HS, N+1)
- N = 28VDC (Fixed)
- O = 28VDC (2 x HS, N+1)
- P = 90-230VAC(2 x HS, N+1)
- X = No PSU

12) PSU Output

(Note: Not all PSU combinations available)

- 1 = 100-199 (w/o 3.3V)
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- I = 900-999 watt (w/3.3V)
- J = 1000-1099 watt (w/3.3V)
- K = 1100-1199 watt (w/3.3V)
- L = 1200-1299 watt (w/3.3V)
- M = 1300-1399 watt (w/3.3V)
- N = 1400-1499 watt (w/3.3V)
- O = 1500-1599 watt (w/3.3V)
- X = Not installed

13) Shielding Level

- 0 = Level 0
- 1 = Level 1
- 2 = Level 2
- X = Not installed