

OpenVPX/VPX Product List and Configuration Sheet



OpenVPX Backplanes

Height	Slots	Topology	Description	Profile	Corresponding Slot Profiles	Part Numbers
3U	3	Distributed	3U VITA 65, 3-slot, centralized switch, channel Gbaud rate up to 3.125	BKP3-CEN03-15.2.9-1	SLT3-PAY-2F-14.2.7 SLT3-PER-1F-14.3.2	1OVX303QX1-1X11R 1OVX303QX1-1X10R
3U	5	Distributed	3U VITA 65, 5-slot with VITA 67 RF connectors on 3-slots	BKP3-DIS05-15.3.1-1	SLT3-SWH-4F-14.4.4	1OVX305DX1-1X11R 1OVX305DX1-1X10R
3U	6	Distributed	3U VITA 65, 6-slot VPX twisted ring with Ethernet control plane, channel Gbaud rate up to 6.25	BKP3-DIS06-15.2-14-3	SLT3-PAY-2F2T-14.2.5 SLT3-SWH-2F24U-14.4.3 SLT3-SWH-2F28U-14.4.5	1OVX306SX6-1X11R 1OVX306SX6-1X10R
3U	6	Distributed	3U VITA 65, 6-slot VPX twisted ring, channel Gbaud rate up to 6.25	BKP3-DIS06-15.2-7-3	SLT3-PAY-2F2T-14.2.5 SLT3-SWH-2F24U-14.4.3 SLT3-SWH-2F28U-14.4.5	1OVX306AX6-1X11R 1OVX306AX6-1X10R
3U	9	Distributed	3U VITA 65, 9-slot VPX central switch with and without expansion plane, channel Gbaud rate up to 6.25	BKP3-CEN09-15.2-17-3	SLT3-PAY-3F2U-14.2.13 SLT3-PAY-1F2U-14.2.12 SLT3-PAY-1F2U-14.2.2 SLT3-SWH-6F8U-14.4.9	1OVX309KX6-1X11R 1OVX309KX6-1X10R 1OVX309KY6-1X11R 1OVX309KY6-1X10R
6U	5	Distributed	6U VITA 65, 5-slot mesh, 4 lane fat pipe, channel Gbaud rate up to 6.25	BKP6-DIS05-11.2.16-3	SLT6-PER-4F-10.3.1	1OVX605MX6-1X01R 1OVX605MX6-1X00R
6U	5	Distributed	6U VITA 65, 5-slot, centralized switch, channel Gbaud rate up to 3.125	BKP6-CEN05-11.2.5-1	SLT6-PAY-4F1Q2U2T-10.2.1 SLT6-SWH-16U20F-10.4.2	1OVX605FX1-1X01R 1OVX605FX1-1X00R
6U	6	Distributed	6U VITA 65, 6-slot mesh, channel Gbaud rate up to 6.25	BKP6-DIS06-11.2.10-3	SLT6-PAY-4F2T-10.2.2 SLT6-SWH-4F24T-10.4.4	1OVX606BX6-1X01R 1OVX606BX6-1X00R
6U	7	Hybrid	6U VITA 65, 7-slot (5 VPX + 2 legacy VME64x)	BKP6-HYB07-11.2.20-1	Consult Factory	1OVX607EX1-1201R 1OVX607EX1-1200R
6U	17	Hybrid	6U VITA 65, 17-slot (14 VPX + 3 legacy VME64x)	BKP6-HYB17-11.2.11-1	SLT6-BRG-4F1V2T-10.5.1 SLT6-PAY-4F2T-10.2.2 SLT6-SWH-4F24T-10.4.4	1OVX617NX1-1321R 1OVX617NX1-1320R

VPX Backplanes

Height	Slots	Topology	Description	Part Number
3U	1	n/a	3U VPX, 1-slot power and ground	101VPX301P-1X31R
3U	5	n/a	3U VPX, 5-slot power and ground	101VPX305P-1X31R
3U	6	n/a	3U VPX, 6-slot power and ground	101VPX306P-1X31R

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Accessories

Height	Description	Part Number
3U	3U VPX Extender	119EXT3024-07XX
6U	6U VPX Extender	119EXT6024-05XX
3U	3U VPX Load Board, convection cooled	1940000345-0000R
3U	3U VPX Load Board, conduction cooled	1940000446-0000R
6U	6U VPX Load Board, conduction cooled	1940000376-0000R
6U	6U VPX Load Board, convection cooled	1940000355-0000R
6U	6U VPX Universal RTM	1940000352-0000R
6U	6U SerDes Test Device, 8 channel with 2 VPX cables	1940000417-0000
n/a	VPX Cabling System	Consult Factory

OpenVPX Backplanes Configuration

1OVX

Product

OVX = OpenVPX compatible

Height

3 = 3U

6 = 6U

7 = 7U

Slots

02-20

Profile

MX = BKP6-DIS05-11.2.16-3

SX = BKP3-DIS06-15.2.14-3 control plane routed to switch

DX = BKP3-DIS05-15.3.1-1

NX = BKP6-HYB17-11.2.11-1

AX = BKP3-DIS06-15.2.7-3 control plane to RTM

BX = BKP6-DIS06-11.2.10-3

EX = BKP6-HYB07-11.2.20-1

KX = BKP3-CEN09-15.2-17-3 with extension plane

KY = BKP3-CEN09-15.2-17-3 without extension plane

QX = BKP3-CEN03-15.2.9-1

FX = BKP6-CEN05-11.2.5-1

Data Rate

1 = Data plane 3.125 Gbaud

2 = Data plane 5.0 Gbaud

3 = Data plane 6.25 Gbaud

4 = Data plane 10 Gbaud

5 = Not used, for future use

6 = Data plane up to 6.25 Gbaud (same cost-effective PCB used for 3.125 to 6.25 versions)

Dash Number Configuration (example: 101OVX605MX1-xxxxx)

Power Interface

1 = 8/32 threaded stud

Hybrid

1 = 1 VME64X slot

2 = 2 VME64X slot

3 = 3 VME64X slot

4 = 4 VME64X slot

5 = 5 VME64X slot

6 = 6 VME64X slot

X = not applicable

Voltage

0 = 5V, 12V (6U ONLY) AND -12V AUX, +12V AUX, 3.3V AUX

1 = 3.3V, 5V, 12V (3U ONLY) AND -12V AUX, +12V AUX, 3.3V AUX

2 = 3U/6U power

Rear I/O

0 = No rear I/O connectors

1 = As required by VITA 65, refer to RTM connector configuration

RoHS

R = RoHS compliant

S = RoHS 5/6 compliant

(Blank) = not RoHS compliant