

PRODUCT OVERVIEW - VPX

OPENVPX BACKPLANES

Height	SLOTS	TOPOLOGY	DESCRIPTION	PROFILE	CORRESPONDING SLOT PROFILES	PART NUMBER
3U	6	Centralized	3U VITA 65, 6-slot VPX twisted ring with configurable Ethernet per VPX 46.20	BKP3-DIS06-15.2.14	SLT3-PAY-2F2T-14.2.5 SLT3-SWH-2F24U-14.4.3 SLT3-SWH-2F28U-14.4.5	1OVX306SX1-1X11R 1OVX306SX1-1X10R
3U	5	Distributed	3U VITA 65, 5-slot VITA 67 connectors on 3 slots	BKP3-DIS05-15.2.xx-1	SLT3-SWH-4F-14.4.4	1OVX305DX1-1X11R 1OVX305DX1-1X10R
6U	5	Distributed	6U VITA 65, 5-slot mesh	BKP6-DIS05-11.2.16-1	SLT6-PAY-4F-10.2.4 SLT6-PAY-4F2T-10.2.4	1OVX605MX1-1X01R 1OVX605MX1-1X00R
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
6U	7	Hybrid	6U VITA 65, 7-slot (5 VPX + 2 legacy VME64x)	BKP6-HYB07-11.2.XX-1	Consult Factory	1OVX607EX1-1201R 1OVX607EX1-1200R

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
7U	1	n/a	7U VPX, 1-slot power and ground	101VPX701P-1X40R
7U	4	n/a	7U VPX, 4-slot power and ground	101VPX704P-1X40R
6U	2	n/a	6U VPX Test Backplane, 2-slot	1900002083-0000R
6U	5	Mesh	6U VPX, 5-slot mesh	101VPX605M-1X10R
6U	7	Hybrid	6U VPX Hybrid, 7-slot (5 VPX + 2 legacy VME64x)	101OVX607V-1250R
3U	6	Ring	3U VITA 65, 6-slot VPX twisted ring with configurable Ethernet per VPX 46.20	101VPX306S-1X51R

ACCESSORIES

Height	DESCRIPTION	PART NUMBER
6U	6U VPX Extender	1940000318-0000R
3U	3U VPX Extender	1940000319-0000R
3U	3U VPX Load Board, convection cooled	1940000345-0000R
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 Module, 4 Channel	1940000299-0000
6U	6U SerDes Test Module, 8 Channel	1940000300-0000
6U	6U SerDes Test Module, 6 Channel	1940000301-0000

PRODUCT OVERVIEW - VPX

VPX BACKPLANES CONFIGURATION

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Product

VP VPX VITA 46

Data rate

X Data plane 3.125 Gbaud
Y Data plane 5.0 Gbaud
Z Data plane 6.25 Gbaud

Height

3 3U
6 6U
7 7U

Slots

01-18

Topology

M Mesh
H Hybrid VPX
V Mesh hybrid with VME64X
S Single Star
T Hybrid Star
E Hybrid Dual Star
F Ethernet control plane
P Power and Ground

Dash number configuration (Example: 101VPX605M - xxxx)

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

Rear I/O

0 RJ0
1 RJ0,RJ2,4J3,RJ4,RJ5,RJ6
2 RJ0,RJ2
3 RJ0,RJ1,RJ2
4 RJ0,RJ1,RJ2,RJ3,RJ4,RJ5,RJ6
5 As required per the design

Voltage

0 5V, 12V, OR 48V (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

RoHS

R RoHS compliant
S RoHS 5/6 compliant
(Blank) not RoHS compliant

PRODUCT OVERVIEW - VPX

OPENVPX BACKPLANES CONFIGURATION

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Product

OVX OpenVPX compatible

Height

3 3U
6 6U
7 7U

Slots

02-20

Profile

MX BKP6-DIS05-11.2.16
SX BKP3-DIS06-15.2.14
DX BKP3-DIS05-15.2.XX
NX BKP6-HYB17-11.2.11
UX BKP3-CEN06-15.2.2
WX BKP6-CEN06-11.2.6
AX BKP3-DIS06-15.2.7
BX BKP6-DIS06-11.2.10
CX BKP3-CEN07-15.2.3
EX BKP6-HYB07-11.2.XX

Data rate

1 Data plane 3.125 Gbaud
2 Data plane 5.0 Gbaud
3 Data plane 6.25 Gbaud

Dash number configuration (Example: 1OVX605MX1 - 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