

3U VPX Chassis

3U VPX 19" Rackmount Enclosure



Bascom Hunter's new 3U VPX chassis is a flexible architecture for customers to build unique solutions for communications, electronic warfare, machine learning and more. The base chassis provides the power, cooling and slots to enable a high density of 3U VPX Cards within a 3U rack-mount enclosure. The chassis can also be purchased with a custom backplane designed for COTS VPX cards to accelerate development and deployment.

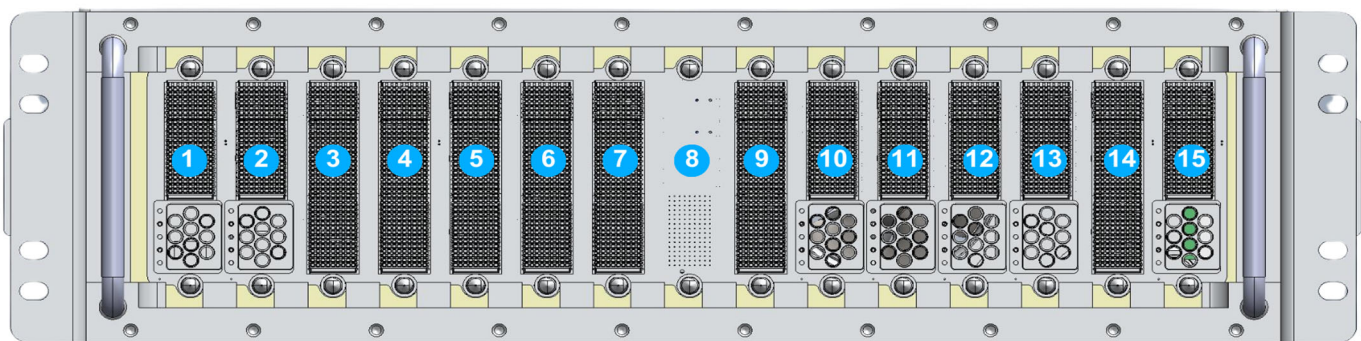
PRODUCT DESCRIPTION

The 3U VPX chassis an industry leading product that has 1.2 kW of cooling capacity. The chassis can hold up to 14 VPX cards and includes a chassis manager and integrated power supply. Rear connections can be customized based on the application.

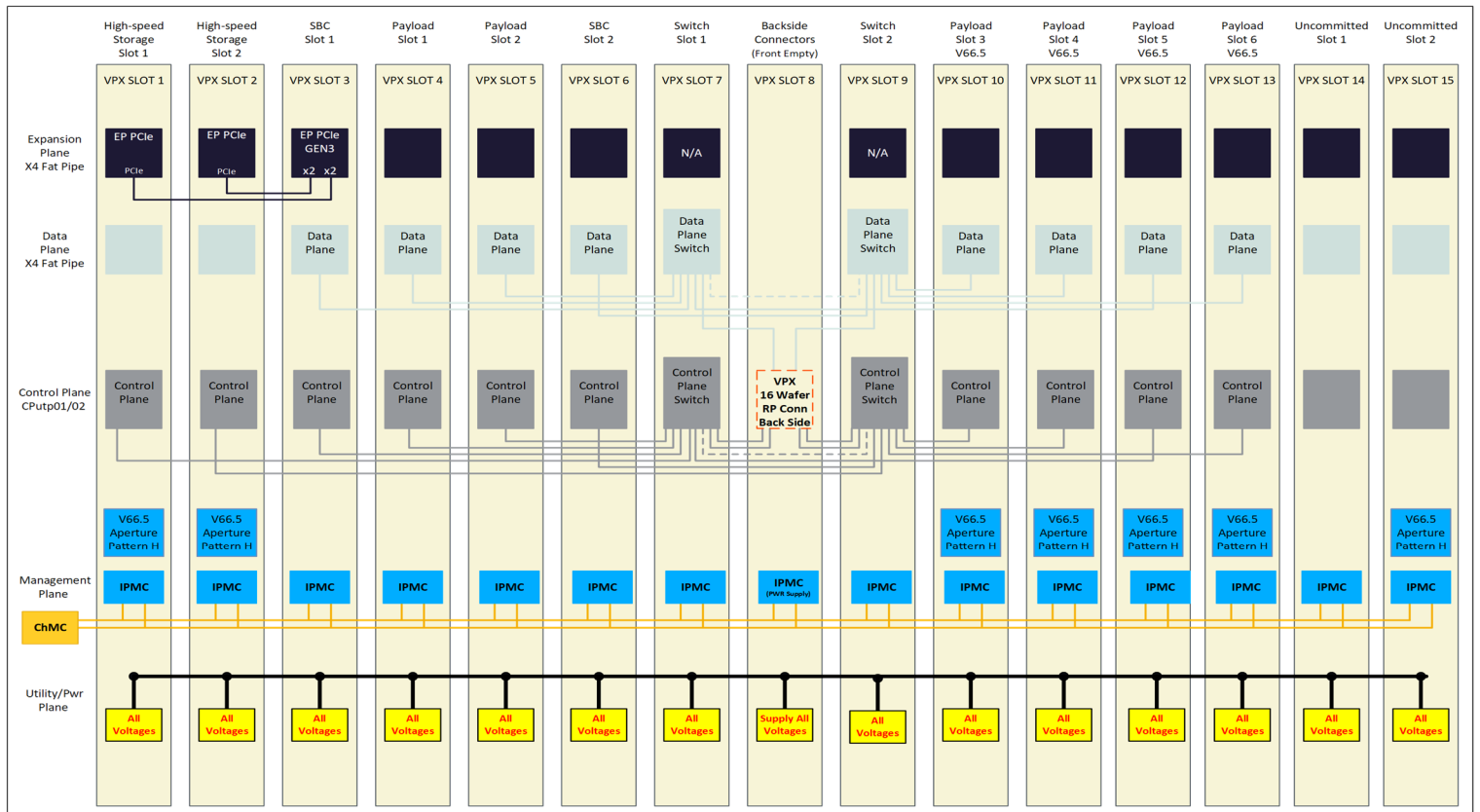
This chassis can be purchased with a SOSA aligned VPX backplane with slot profiles for Single Board Computers, Network Cards, Storage and RFSoc (or other payload cards). The backplane has 2x 40GE lanes for high speed data.

KEY FEATURES

- VITA 46.11 Chassis Management controller
- Eight 40G-KR4 data plane slot connections
- Ten 10G-KR control plane slot connections
- VITA-66.5 Hybrid Fiber Coax - 2 Style C Inserts and 20 NanoRF Contacts
- Card slot profiles aligned to SOSA and HOST standards:
 - Payload
 - Storage
 - SBC
 - Switch



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|-----------------------------|-------------------------------------|-----------------------|
| 1 High-speed Storage Slot 1 | 6 SBC Slot 2 | 11 Payload Slot 4 |
| 2 High-speed Storage Slot 2 | 7 Switch Slot 1 | 12 Payload Slot 5 |
| 3 SBC Slot 1 | 8 Backside Connectors (Front Empty) | 13 Payload Slot 6 |
| 4 Payload Slot 1 | 9 Switch Slot 2 | 14 Uncommitted Slot 1 |
| 5 Payload Slot 2 | 10 Payload Slot 3 | 15 Uncommitted Slot 2 |



SPECIFICATIONS

PHYSICAL

Dimensions

- 19" x 17" x 5.25" (chassis only)
- 22" x 17" x 5.25" (chassis + rail)
- 23.5" x 19" x 5.25" (chassis + rail + front panel)

Weight

- 32 lbs. (unpopulated)

ELECTRICAL

Power Supply: SX1000 Platinum

Input Voltage: 100-240V~

Input Current: 12-6A

Output Voltage: +3.3V, +5, +12V Power

Output Current: 25A, 83.3A

CONNECTORS

5x N-Type connectors

3x Ethernet RJ45 ports

1x Power Input

	STORAGE SLOT PROFILE	SINGLE BOARD COMPUTER SLOT PROFILE	NETWORKING CARD SLOT PROFILE	RFSOC SLOT PROFILE
SLOT PROFILE	SLT3-PER-1F-14.3.2	SLT3-PAY-1F1F2U1TU1TU1T-14.2.16	SLT3-SWH-6F8U-14.4.15	SLT3-PAY-1F1U1S1S1U1U2F1H-14.6.11-n
MODULE PROFILE	SLT3-PAY-1F1U1S1S1U1U2F1H-14.6.11	MOD3-PAY-1F1F2U1TU1TU1T-16.2.15-4	MOD3-SWH-6F8U-16.4.10-n	MOD3-PAY-1F1U1S1S1U1U2F1H
EXAMPLE COTS MFG	Red Rock Technologies	Abaco Systems	Abaco Systems	Abaco Systems
EXAMPLE COTS MFG PN	RRT-3UVPX-NVMe-R-C	SBC3511	SWE440S	VP431

Bascom Hunter maintains a corporate commitment to quality, with our design and manufacturing operations certified to AS9100D and ISO 9001:2015



Specifications Subject to Change

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