

Forced-Air, Conduction-Cooled 3U VPX system

Key Features

Huey is a 3-7 slot 3U VPX, rugged Commercial Off the Shelf (COTS) system optimized for Size, Weight, Power and Cost (SWaP-C).

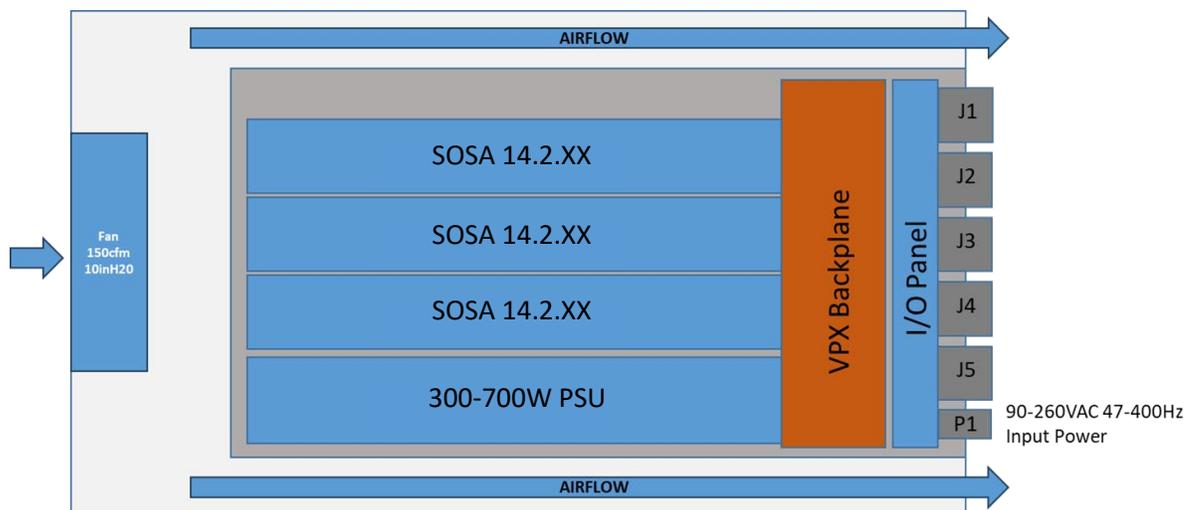
Built to operate in harsh environments, the system is designed for 3U SOSA® aligned 1" conduction-cooled cards and equipped with an AC powered fan, in external housing, for easier maintenance and wash-down capability

Huey supports powerful payloads with minimal weight, making it ideal for size and weight sensitive use-cases.

- Three to Seven 1" pitch 3U VPX slots
- ATR tray mounting
- Supports MIL-STD-810,704 and 461
- Fan in external housing for easier maintenance and wash-down capability
- CPU, GPU, Switch or Mixed-signal RF Payloads



Example Huey build FP



This is an example configuration, for alternative configurations please contact your local sales representative

Payload slots:

- Supports 3U 1.0-inch VPX REDI type 1 RCR-series Type 1 VITA 48.2 cards (others optional)
- SOSA® aligned slot profiles available
- Copper and Optical I/O supported to I/O panel MIL-38999 connectors
- +12V VS1 and +3.3V AUX to all slots
- Backplane types can include P0, P1 and P2/P2a
- Supports cards with apertures VITA 66.x and 67.x

Power:

- Supports payload total power consumption up to 800 W
- Forced-Air augmented conduction-cooled scheme
- Card-edge heat transfer details available on request
- AC powered fan for resilience to water & dust ingress

Mechanical Specification:

- Estimated dimensions 10.51" (H) x 11-22" (D) x 6.02" (L)/ 267 mm (H) x 280-560 mm (D) x 153 mm (L)
- Estimated mass 20-30 lbs / 9-14kg
- cooling method is Forced-Air Conduction Cooled
- Front Panel I/O connectors specified according to I/O requirements and cards selected
- Aluminium construction
- MIL-STD corrosion and chemical resistant paint or powder-coat finishes available
- Development, test and deployable cable harnesses available, please contact our team