

## DESCRIPTION

The 3U OpenVPX Storage board keeps pace with current drive technologies. Choose from SLC, MLC, 3D TLC or other flash possible, or rotating hard drives to match the endurance and environmental toughness of your system. The storage board features up to two on-board SATA drives or one NVMe drive or one NVMe drive plus one SATA drive which are connected to the backplane. Supports up to SATA III 6 Gb/s interface speeds when used in conjunction with a SATA III controller and PCIe x4 Gen. 3 (depends on SBC).



## FEATURES

Board is capable of hot-swap (only possible with SATA devices)  
Supply voltage +5V sufficient for SATA applications  
Supply voltage +12V, +5V and +3V3\_AUX required for NVMe applications.

## STORAGE OPTIONS

OpenVPX Storage Board Single SSD / HDD / NVMe fix mounted (Air-cooled)  
OpenVPX Storage Board Single SSD / HDD front removable (Air-cooled)  
OpenVPX Storage Board Dual SSD / HDD fix mounted (Air-cooled)  
OpenVPX Storage Board Dual SSD / HDD fix mounted (Conduction Cooled)

## ENVIRONMENTAL DATA

Operating temperature range: -40 °C to +85 °C  
Storage temperature range: -40 °C to +85 °C

## PHYSICAL

Height            3 U  
Width            5 HP (VITA 48)

## SLOT PROFILES

|                |                                                    | PCIe | SATA |
|----------------|----------------------------------------------------|------|------|
| Compliant with | OpenVPX™ (VITA 65) profile SLT3-STO-2U-14.5.1      |      | ✓    |
|                |                                                    |      |      |
|                | OpenVPX™ (VITA 65) profile SLT3-PAY-2F2U-14.2.3    | ✓    | ✓ *  |
|                | OpenVPX™ (VITA 65) profile SLT3-PAY-1F1F2U-14.2.4  | ✓    | ✓ *  |
|                | OpenVPX™ (VITA 65) profile SLT3-PAY-2F2T-14.2.5    | ✓    | ✓ *  |
|                | OpenVPX™ (VITA 65) profile SLT3-PAY-1D-14.2.6      | ✓    | ✓ *  |
|                | OpenVPX™ (VITA 65) profile SLT3-PAY-2F-14.2.7      | ✓    | ✓ *  |
|                | OpenVPX™ (VITA 65) profile SLT3-PAY-1F4U-14.2.8    | ✓    | ✓ *  |
|                | OpenVPX™ (VITA 65) profile SLT3-PAY-8U-14.2.9      |      | ✓ *  |
|                | OpenVPX™ (VITA 65) profile SLT3-PAY-1F1U-14.2.10   | ✓    | ✓ *  |
|                | OpenVPX™ (VITA 65) profile SLT3-PAY-1F2U-14.2.12   | ✓    | ✓ *  |
|                | OpenVPX™ (VITA 65) profile SLT3-PAY-1F4F2U-14.2.14 | ✓    | ✓ *  |
|                | OpenVPX™ (VITA 65) profile SLT3-PAY-1F4F2T-14.2.15 | ✓    | ✓ *  |
|                |                                                    |      |      |
|                | OpenVPX™ (VITA 65) profile SLT3-PER-2F-14.3.1      | ✓    | ✓ *  |
|                | OpenVPX™ (VITA 65) profile SLT3-PER-1F-14.3.2      | ✓    | ✓ *  |
|                | OpenVPX™ (VITA 65) profile SLT3-PER-1U-14.3.3      | ✓    | ✓ *  |

\* SATA links only available on custom designs

## ORDERING KEY

| Description                                                   | Code | 3VEST | XX | - | X | - | X | - | X | - | X |
|---------------------------------------------------------------|------|-------|----|---|---|---|---|---|---|---|---|
| <b>Environment Class</b>                                      |      |       |    |   |   |   |   |   |   |   |   |
| Air-Cooled                                                    | AC   |       |    |   |   |   |   |   |   |   |   |
| Conduction-Cooled                                             | CC   |       |    |   |   |   |   |   |   |   |   |
| Rugged-Conduction-Cooled                                      | RCC  |       |    |   |   |   |   |   |   |   |   |
| <b>Front Panel</b>                                            |      |       |    |   |   |   |   |   |   |   |   |
| 5HP (1.0 inch) VITA 48                                        | 1    |       |    |   |   |   |   |   |   |   |   |
| 5HP (1.0 inch) VITA 48 (Front removeable)*                    | F    |       |    |   |   |   |   |   |   |   |   |
| No Front Panel                                                | N    |       |    |   |   |   |   |   |   |   |   |
| <b>No. of drive slots</b>                                     |      |       |    |   |   |   |   |   |   |   |   |
| (Note: Dual Interface only possible with 7mm storage devices) |      |       |    |   |   |   |   |   |   |   |   |
| single interface PCIe / SATA                                  | 1    |       |    |   |   |   |   |   |   |   |   |
| dual interface PCIe / SATA + SATA Mezzanine                   | 2    |       |    |   |   |   |   |   |   |   |   |
| <b>Conformal Coating</b>                                      |      |       |    |   |   |   |   |   |   |   |   |
| YES                                                           | Y    |       |    |   |   |   |   |   |   |   |   |
| NO                                                            | N    |       |    |   |   |   |   |   |   |   |   |
| <b>Signal Ground Isolation **</b>                             |      |       |    |   |   |   |   |   |   |   |   |
| YES                                                           | Y    |       |    |   |   |   |   |   |   |   |   |
| NO                                                            | N    |       |    |   |   |   |   |   |   |   |   |

\* only air-cooled version possible

\*\* some applications may require signal ground isolation