

# Dual Storage Module with Front Removable CFast Serial ATA Drives



## Description

The 3VPX9289 is a 3U Open VPX Storage Module providing front-removable, hot-pluggable CFast™ storage (CFast is the combination of CompactFlash and Serial ATA) which enables fast and easy system upgrades, reconfigurations and repairs. Designed for high-speed system boot and data access operations, the 3VPX9289 offers dual CFast drives – one front removable and one internal – for maximum operational flexibility.

## Features

- Front removability for fast upgrade, repair or easy data download and transfer
- CFast capacities currently up to 64GB for a total of 128GB of rugged dependable SSD (solid-state drive) storage\*
- Serial ATA CFast drives – the size advantage of Compact Flash but with serial data rates up to 106MB/sec write and 108MB/sec read. Data rates are media and operating system dependent
- Front-panel LED drive activity indicators
- Available in extended temperature, shock and vibration version
- Available in dual and single CFast configurations

## Benefits

- Higher data rates with PCIe and SATA interfaces for bandwidth-hungry applications
- Hot-pluggable, front-removable CFast drive for fast and easy data transport, repair or system upgrade
- Use one drive for system boot and one for data storage or as dual storage drives
- Configurable to single volume operation or dual independent volumes

\* Data rates are media and operating system dependent

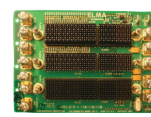
## Related Products and Applications

Systems requiring flexible solutions where the storage volume can be managed for:

- Dual individual storage volumes
- Storage / boot volumes
- Single large storage volume usage
- Front removability suited for systems requiring fast upgrade, repair or easy data download and transfer
- High speed and high capacity single blade storage for medical imaging, defense and transportation applications
- Rugged defense applications requiring resistance to harsh environments afforded by CFast solid state drive capability

### Example Order Number: 3VPX92892064GVYE

3VPX9289 with dual 64GB CFast drives, VxWorks driver, conformal coating and extended temperature capability



- Intel & Freescale Single Board Computers
- Blade level networking boards (Ethernet, PCI Express)
- FPGA configurable I/O solutions
- Rackmount, desktop, and ATR chassis platforms
- Ruggedization programs

**VPX**

# Dual Storage Module with Front Removable CFast Serial ATA Drives



VITA



Storage

## Environmental

<b>General</b>	Silicon Image Si3132 controller with a 2.5Gb/s PCIe Gen 1 to dual port 3Gb/s SATA II interface to support current and future drive data rates
<b>Input/Output</b>	The 3VPX9289 provides backplane interconnectivity via PCIe for up to two on board SATA CFast drives
<b>Compatibility</b>	The 3VPX9289 is directly compatible with most 3U VPX single board computers
<b>Power Requirements</b>	Input Power: +3.3V @2A, +5 @1A estimated
<b>Compliance</b>	The 3VPX9289 is VITA 46 compliant. Consult ELMA regarding specific slot profile questions. Form Factor: 3U VPX 6.299in (160mm), 3.937in (100.0mm)
<b>Environment</b>	Standard Operating Temp: 0° C to 55° C Extended Operating Temp: -40° C to 85° C (consult ELMA) Non-operating: -40° C to 85° C Operating Shock: 40Gs half-sine wave (11ms) Operating Vibration: 2Gs from 15 to 2000Hz Humidity: 5 to 95%, non-condensing  All configurations are RoHS compatible.

## Order Information

3VPX9289



### Configuration



- 1 = One front-removable CFast drive  
 2 = One front-removable and one internal CFast drive

### Device Driver



- V = VxWorks  
 W = Windows\*\*\*  
 L = Linux\*\*\*  
 O = Other

### 2.5in Drive Capacity (both drives)



xxxG

### Conformal Coating



Y/N

### Temperature Requirement



- S = 0° C to 55° C  
 E = -40° C to 85° C  
 O = Other

### Project Specific



Example\*\*

- 008G = 8GB drive  
 016G = 16GB drive  
 032G = 32GB drive  
 064G = 64GB drive

\* Inquire about higher drive capacities as they become available

\*\* Consult ELMA for the complete range of available capacities

\*\*\* Contact Elma regarding these operating systems

† Conformal coating is recommended for operating temp range -40° C to 85° C. Consult ELMA for regarding -40° C to 85° C requirements.