

# Front Removable OpenVPX Storage

## 6U SATA Storage Module



### Description

The 5655 is a 6U SATA storage module with dual front removable storage drives. It is designed to provide SATA I/O access for dual 2.5" drives via OpenVPX backplane data plane connections. Each single drive can be removed independently for easy system upgrade, data transport or drive replacement. The 5655 may be utilized singularly or integrated as part of a multi-slot storage array using an external SATA RAID controller.

### Features

- Choose the latest in solid state drive technology; SLC or MLC standard, enhanced or extended duty rotating drives
- Supports current drive capacities currently up to 4TB per drive
- 6Gbps data rates are supported (external controller dependent)
- Standard 6U x 5HP x 160mm OpenVPX form factor
- Drive activity LEDs media dependent
- Extended temperature operation from -40°C to +75°C
- Individual drive shuttles are hot pluggable
- VITA 48.1 REDI primary and Secondary Covers
- RoHS compliant and lead-free
- Also available in 6U cPCI and VME form factor
- Optional rear transition module design on request

### Benefits

- High data rates for current application needs
- Addresses high capacity storage needs
- Capable of providing RAID 0, 1 or 5 via external RAID controller
- Easy system upgrade, data transport or maintenance with front removability
- Operates in temperature extremes of -40°C to +75°C using solid-state drives
- Multi-slot expansion capability enables high capacity array design

## Applications and Related Products

- High capacity storage requirements for a wide range of defense applications including ground, shipboard and airborne systems
  - Signal intelligence data storage
  - Engine control systems data
  - Mission data storage
- Commercial and industrial data storage applications requiring high capacities, expandability.
- Rugged applications requiring resistance to a wide range of temperature extremes as well as high shock and vibration resistance.

### Example Order Number: 5655200020TSTMBYEE

Model 5655 with 2 X 2TB extended temp MLC drives, REDI covers, signal ground isolation, conformal coating, for use in extended temperature environments.



- RAID Controllers
- 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**

