

Flexstar's New Environmentally Friendly Ambient Test System

- Low cost per port
- Lower cost of operation
- Lower power consumption
- Smaller Footprint



The **Green** 128A supports industry-standard storage device interfaces, including SAS up to 6G, SATA up to 6G. **Green** systems include anti-vibration fixtures for the HHD/ODD industry. You have a choice of fixture sizes of 3.5", 2.5" and 1.8". Any combination of these Flexstar fixtures can be specified. Support for a mix of different interfaces in one **Green** 128A provides many combinations of drive testing to further save our customer money.

The **Green** 128A is a comprehensive design for a large scale ambient test system that can be used in a production environment.

The **Green** 128A has been designed to meet today's environmental friendly customer requirements.

The 128A uses Flexstar's new SBC III Single Board Computer technology. To keep pace with the industry's growing requirement for higher throughput speeds the SBC III has a dual core processor with two 8 lane PCIe interfaces. This combination produces more power and throughput capabilities than the older SBC II. The SBC III provides a throughput rate of up to 2.5Gps per lane.

Banks of drive bays may be programmed to run different tests at the same time. Failed drives can be debugged in place while the tests continue to run and serial port data capture capability enables access to the device under test even if the interface is not responding.

The **Green** 128A uses a new improved version of the Flexstar comprehensive software and scripting language.

As with older Flexstar products the **Green** 128A is upgradeable in the field.

Product Specifications

Input Power Requirements

- Voltage: 208 VAC 35 AMP's, Optional 400 VAC
- Frequency: 50Hz, 60Hz
- Connections: 3 phase 4 wire
- Voltage range: 200VAC to 240VAC

Mechanical

- Exterior Dimensions: 72" x 37" x 79", (182.9cm x 94cm x 200.7cm)
- Weight: 2200 lbs (1000 kg) 2400 lbs (1090.9 kg) crated
- Test Enclosure:
 - 43"w x 13"d x 49.5h, (109.2cm x 33cm x 125.7)
 - Capacity: 132 3.5" drives, 264 2.5" or 1.8" or smaller drives
 - Height to top fixture: 65.1" (165.4cm)
 - Height to bottom fixture: 20.3" (51.6cm)

Environmental

- Ambient

Power Options:

Margining

- Current measurement range: 0 to 5 amps with 0.6 milliamps resolution
- Current measurement accuracy: +/- 1% of full scale
- Voltage measurement range: 0 to 15V with 3.6 mV resolution
- Voltage measurement read back accuracy: +/- 0.5% of full scale
- Power sampling: Up to 4096 samples for each channel
- Power sampling rate: 1 to 255 milliseconds in 1 millisecond increments
- On-board memory for power sampling data acquisition

Nominal

- Choice of 3.3, or 5 and 12V

Key Features

- 16 to1 dual core PCIe Single Board Computer (SBC III)
- Multi-threaded operation for high performance testing
- Concurrent testing of multiple interfaces
- Shell allows interactive command execution to the device under test
- Context-sensitive Help file and familiar GUI design for ease of use

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