

# EPIC-10C1

## 10-Slot PCIe/NVMe SSD Tester

- **Hardware designed and manufactured by Daichu Technologies**
  - Ten PCIe 3.0 x8 lane
  - Temperature range: Room Temp.+10 degC to +90 degC
  - Full Bandwidth testing
- **Software provided by OakGate Technology**
  - Proven test software, used by most major SSD suppliers worldwide



## Key Features

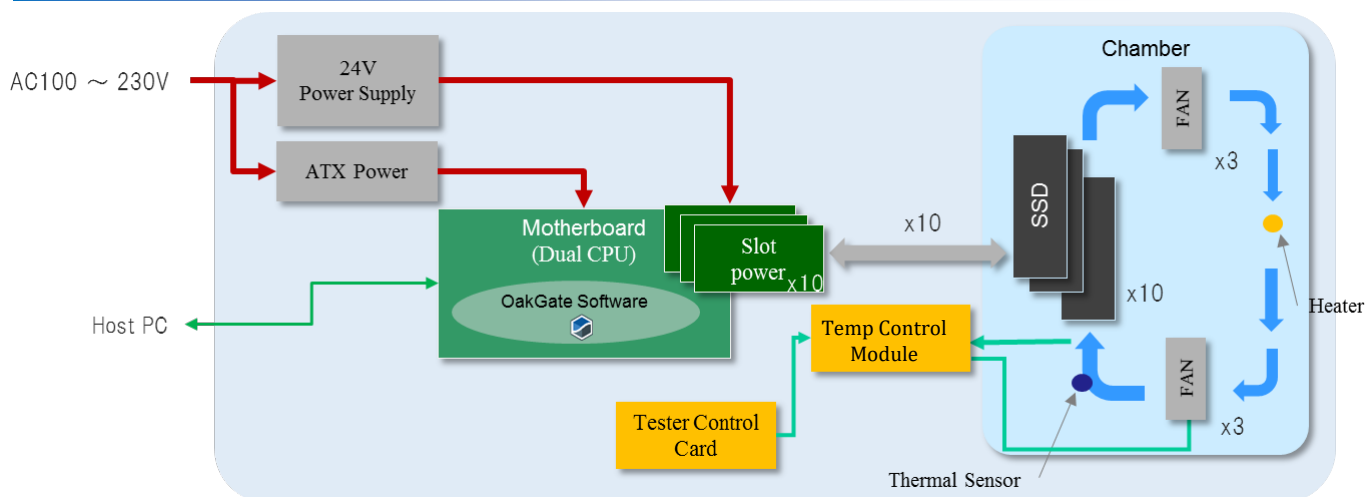
- Fully integrated tester with a compact footprint and a built-in thermal chamber
  - Temperature range: Room Temp. +10 degC to +90 degC
- Supports up to ten edge card type SSDs
  - SFF(Single Port / Dual Port) & M.2 supported with attachments
- Comprehensive functionality
  - Long-run testing
  - Aging test
  - High temperature test
  - Marginal voltage testing
- High-performance R/W access on thermal and marginal voltage test
- Discharge circuit can shorten voltage turn-off time and stabilize power cycle test
- No PCIe bridge chip used, resulting in stable software performance
- Test engine mounted outside, not affected by chamber temperature
- High-speed transmission route from PC to the device, provides a stable, high-speed serial communication
- Adjustable airflow ranging from 500 to 1 500 LFM to each SSD
- Worldwide multi-voltage power supply (AC100 to 230 V)
- Preinstalled OakGate software with a user friendly GUI that allows the user to
  - Generate traffic and inject errors
  - Measure performance (IOPS, Bandwidth, Latency)
  - Control power and temperature
  - Execute customized test sequences, record logs
  - Test devices at full-performance
  - Exercise built-in protocol conformance test suite and analyzer

# Specifications

Category	Item	Contents
Supported SSD Specs	Form Factor	AIC (HHHL/HHFL)
	IF spec	PCIe 3.0 x8 lane
	Number of slots	10 slots
	Device supply power	50W / slot (total 500W )
Chamber Specs	Set Temperature	Room Temp.+10 to +90 degC
	Airflow (Blow speed)	Approx. 500 to 1500 LFM (Adjustable)
	Door Lock	Locked more than 45 degC
SSD Power Supply	3.3V	2.5A (Typ.) 3.0A (Peak)
	12V	4.0A (Typ.) 5.0A (Peak)
	Voltage Margin	±15%
	Voltage Slope	1 to 120msec:Setting adjustable for either 3.3V/12V
	Discharge Time	Free or less than 100msec (SSD Capacity < 500uF)
Test Engine	Software	Supported by OakGate (SVF)
	Motherboard	Dual CPU ATX (XEON E5)
	PCIe Slots	GEN3.0 x8 lane 10 slots
Other functions	LED Indicator	Power status (Power, SSD insertion) Test status (Idle, Run, Pass, Fail )
	Host PC IF	Ethernet (RJ45)
Option	SFF / M.2	SFF(8639) : Single Port attachment Dual Port attachment M.2 : M.2 attachment
	Base Box	Base Box (with Storage case)
Input Requirements	AC voltage(Hz) / Current	AC 100 ~230V (50/60Hz) / Max 15A
Mechanical	Dimensions	500mm (W) x 690mm (D) x 1,315mm (H) (with Base Box) 500mm (W) x 690mm (D) x 1,575mm (H)
	Weight	Approx. 150 kg

※Environmental temperature : 22 to 28 degC

## Block Diagram



The information provided in this document is subject to change without prior notice.