

## Target Overview



### Hardware:

- ❑ SAS Ports or Phys: 8 or 16 SAS Ports running at 1.5, 3, or 6 Gbps
- ❑ Auto Link Speed and Auto Topology Negotiation
- ❑ Two Port Configurations Options:
  - Narrow Mode: 1 Target Per Phy, 60 LUNs per Target
  - Wide Mode: 1 Target Per Initiator, 60 LUNs per Target

### Software Features:

- ❑ Port
  - Port Status
  - Display, Clear, Define Interval of Port Statistics
  - Port Configuration
  - Set State, Topology, Speed and number of targets
  - Port statistics and Real time performance
- ❑ Target
  - Edit Inquiry Stream
  - Tape Emulation
- ❑ LUN
  - Variable Size – Up to 100 TByte
  - 3 Memory configuration options
  - Zero, fixed or variable latency
  - Error Conditions
  - Save/Restore Data files to LUN
  - Seed a Binary or Data File or Pattern to a LUN
  - Possible 60 LUNs per phy
  - Profiles – Use predefined or build drive or tape profiles

## **Error Capabilities:**

- Error Injection:
  - Single or Multiple Errors per command
  - By Number of I/O's
  - By Time
  - Error Conditions on specific LBN or CDB
  
- Error Conditions:
  - Busy
  - Drop
  - QueueFull
  - CheckCond
  - Read Over/Read Under
  - WriteOver/Write Under
  - ReadDelay, WriteDelay
  - Out of order Data
  - Data Corruption

## **Enhanced Command Features:**

- 6/10/12/16 byte CDB
- CDB Histogram – Logging of command frames
- Persistent Reservations
- Reserve and Release
- User Definable Mode, Diagnostic and Custom Inquiry Pages
- Selectable Queue depth
- Variable Block Size (512, 520, 524, 528 or 4096 Byte)

## **System Features:**

- Web Based Interface
  - Quickly and easily set up, run and save multiple “disk” configurations
  - Configure Port, Target and LUN characteristics
  - Generate Errors
  - View Error Counters and Statistics
  - Build, Edit and execute Scripts
  - Online Documentation
  
- Command Line Interface
  - Run Individual or Looped Commands
  - Build and Execute Scripts
  - Execute Remote Scripts