

## Overview



### Hardware:

- Fibre Channel Ports: 2, 4 or 6 Fibre Channel Ports running at 1, 2 or 4 Gbps
- Auto Link Speed and Auto Topology Negotiation
- Three Port Configurations Options:
  - 1 Target Per Port, 512 LUNs per Target (Point to Point Mode)
  - 16 Targets Per Port, 30 LUNs per Target – for a total of 480 LUN's per port
  - 125 Targets Per Port, 4 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
  - Control Fabric Logins
- Target
  - Define LUNS
  - Edit Inquiry Stream
  - Edit World Wide Node Name
  - Edit World Wide Port Name
  - Set Hard ALPA
  - 3 Target Modes – Up to 125 Targets per port
  - Tape Emulation
- LUN
  - Variable Size – Up to 4 TByte
  - 2 Memory configuration options
  - Zero, fixed or variable latency
  - Multi-port Mapping - A port-B Port
  - Multi-Port Mirroring
  - Error Conditions
  - Save/Restore Data files to LUN
  - Seed a Binary or Data File or Pattern to a LUN
  - Possible 500 LUNs per port
  - Profiles – Use predefined or build drive or tape profiles

## **Performance:**

- ❑ 100,000 + I/O's per port
- ❑ Single port Read or Writes at up to 380 Mbps (depending on FC speed)
- ❑ Blazter Mode – Full speed Read/Writes across 24 ports

## **Error Capabilities:**

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

## **Enhanced Command Features:**

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