

# Chelsio Communications Terminator Family

## 6<sup>th</sup> Generation CNA Solutions

### Supported Operating Systems

Windows Server 2019  
 Windows Server 2016  
 Windows Server 2012 R2  
 Windows Server 2008 R2  
 Windows 10 AU  
 Windows 7  
 RedHat 7.5  
 RedHat 6.9  
 RedHat 6.8  
 SuSE Enterprise 12sp3  
 SuSE Enterprise 12sp2  
 SuSE Enterprise 11sp4  
 VMware ESXi 6.7

### Offload Features

Windows Network Direct  
 Windows SMB Direct  
 Windows S2D  
 Windows Client RDMA  
 GPUDirect RDMA  
 iWARP RDMA Offload (Initiator)  
 iSCSI Offload (Initiator)  
 iSER (Initiator)  
 NVMe Over Fabrics (Initiator)  
 NVMe JBOF (Initiator)  
 FCoE Offload (Initiator)  
 d.VMMQ  
 Storage Replica  
 DDPK PMD  
 NVGRE, VXLAN encapsulation  
 TLS/SSL, DTLS, IPsec Crypto  
 SMB 3.X Crypto

High Performance  
 Cost Effective  
 Server Solutions

Solution Availability			
CNA or Unified Wire	RHEL7.5	W2K16	ESX 6.7
iSCSI Initiator	X	X	X
iSER Initiator	X	X	X
FCoE Initiator	X	X	X
UEFI+Legacy Boot	X	X	X
S2D		X	
Mesh switch		X	
Ring Backbone		X	

Terminator 6 - 1G, 10G, 25G, 40G, 50G, 100G  
 Microsoft Windows In-boxed – WSSD & Azure Stack Certified  
 RedHat – SuSE – VMware – Mac OS  
 One Solution, Multiple Operating Systems, All Protocols

**Chelsio**  
 Communications  
 Accelerate



# Product Selection Guide

Solutions	Operating Systems	Features											Supported Data Rates	Supported Connectors	Size	
		All (*)	Windows Only (W)	NIC Only (N)												
	Windows RHEL 7.5 ESX 6.7	NVMe-oF NVMe iBOF iWARP RMDA	iSCSI	iSER	FCoE	SMB Direct	DPDK PMD	SR	S2D	d.VMMQ	WSSD	TLS/SSL Crypto	1Gbps 10Gbps 25Gbps 40Gbps 50Gbps 100Gbps	SFP/SFP+ SFP28 QSFP+ QSFP28 RJ-45	Half Size Low Profile OCP	
<b>Chelsio T6 CNA Solutions</b>																
T6225-SO-CR									W	W	W	W				
T6225-OCP									W	W	W	W				
<b>Chelsio Unified Wire Solutions with CNA Functionality</b>																
T62100-LP-CR									W	W	W	W				
T62100-CR									W	W	W	W				
T6425-CR									W	W	W	W				
T6225-CR									W	W	W	W				
T6225-LL-CR									W	W	W	W				
T580-LP-CR									W	W	W	W				
T540-LP-CR									W	W	W	W				
T540-BT									W	W	W	W				
T520-BT									W	W	W	W				
T520-CR									W	W	W	W				
<b>Chelsio Server Offload Solutions</b>																
T62100-SO-CR			N	N	N	N	N	N	N	W	W	W				
T61100-OCP			N	N	N	N	N	N	N	W	W	W				
T580-SO-CR			N	N	N	N	N	N	N	W	W	W				
T540-SO-CR			N	N	N	N	N	N	N	W	W	W				
T520-SO-CR			N	N	N	N	N	N	N	W	W	W				

### Additional Features

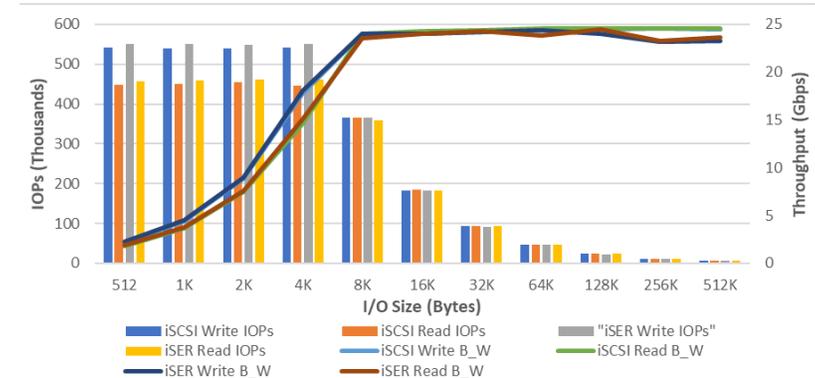
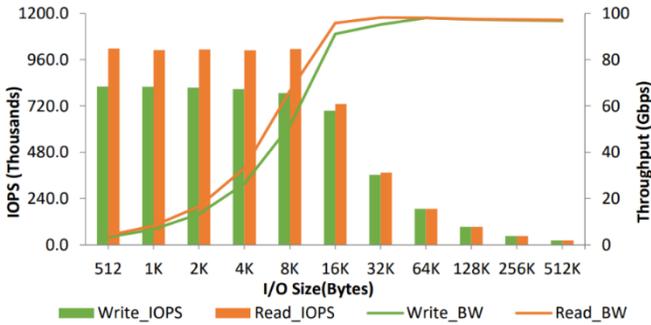
Low Latency L2 NIC SRIOV/Virtualization | Traffic Management/DCB  
 Low Latency | Packet Classification  
 Multi/Single Adapter Failover

### Additional Unified Wire Features

All CNA Functionality TOE | More Targets  
 Media StreamEngine

## Low Cost/High Performance NVMe-oF Initiator

Enjoy Chelsio's NVMe-oF over 100GbE iWARP fabric performance which demonstrated 98Gbps throughput and IOPs exceeding 1M, using Chelsio 100G Adapters.

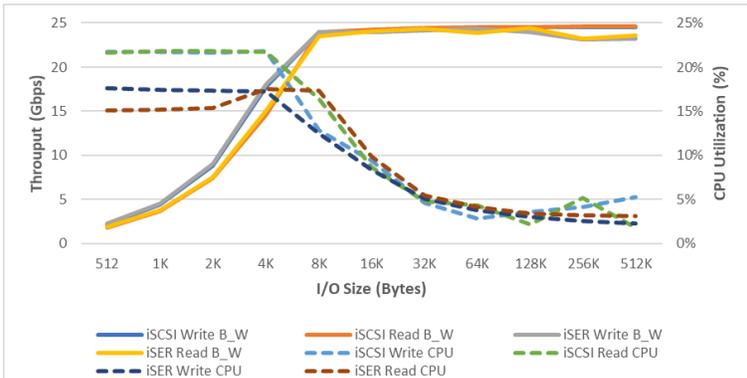


## 25G/100G iSER & iSCSI Initiators

Capable of operating on both 25Gbps and 100Gbps Chelsio CNA and Unified Wire solutions, Chelsio hardware delivers the goods. The left graph demonstrates IOPs and throughput using T6225-SO-CR adapter.

## Demonstrated Low CPU Utilization

All Chelsio CNA adapters delivery high performance and low CPU utilization at a low price point to maximize value. The right graph demonstrates both iSER and iSCSI CPU utilization using T6225-OCP adapter.



Find out more at [www.chelsio.com](http://www.chelsio.com)  
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