
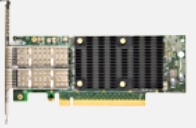
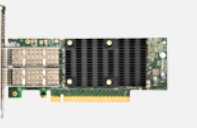


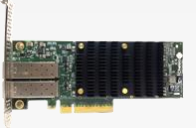




Chelsio Unified Wire Adapter Product Selection Guide



Single Adapter with concurrent Multi-Protocol Operation

T6 ASIC based Ethernet Adapters				
Chelsio P/N	T62100-CR	T62100-LP-CR	T62100-SO-CR	T62100-SO-OCP3
Ports	2x40/50/100G			
Connector Type	QSFP28			
Host Interface	PCIe Gen3 x16			
Form Factor	Half Size	Low Profile		OCP3-SFF
Concurr. Conn.	32k		-	
Power (Typical)	22W	19W	16W	16W
Airflow	200 LFM (Linear Feet Per minute)			
Adapter Type	Unified Wire		Server Offload	
T6/T5 ASIC based Ethernet Adapters				
Chelsio P/N	T6225-OCP3	T6225-CR	T6225-SO-CR	T540-LP-CR
Ports	2x10/25G			4x1/10G
Connector Type	SFP28			SFP+
Host Interface	PCIe Gen3 x8			
Form Factor	OCP3-SFF	Low Profile		
Concurr. Conn.	32K		256	32K
Power (Typical)	12W	13W	10W	11W
Airflow	200 LFM (Linear Feet Per minute)			
Adapter Type	Unified Wire		CNA	Unified Wire
Adapter Types and Supported Functions:				
Server Offload	L2 NIC, Filtering, PXE Boot, Crypto Offload (Co-processor) ¹			
CNA	Server Offload Functions, iSCSI Init HW Offload, iSER Init HW Offload, NVMe-oF/iWARP Init HW Offload, NVMe/TCP Init HW Offload, FCoE Init, S2D iWARP HW Offload, iWARP RDMA Offload			
Unified Wire (UWire)	Server Offload & CNA functions, Storage Targets Offload, FCoE Init HW Offload, Media Streaming Offload, TCP & UDP Offloads, Traffic Management, Hash Filtering, Unified Boot, Crypto Offload ¹			

Features

- Windows Server 2016 / 2019 / 2022
- Windows Storage Spaces Direct (S2D)
- Windows Azure Stack Private Cloud
- Windows Network Direct
- Windows SMB Direct, Client RDMA
- Windows Storage Replica (SR)
- Windows d.VMMQ
- Low Latency L2 NIC
- TCP/IP Offload Engine (TOE)
- iWARP RDMA Offload
- Inline TLS/SSL, DTLS, IPsec Offload^{1,2}
- NGINX Offload^{1,2}
- Co-processor TLS/SSL, IPsec Offload¹
- NFS/iWARP & NFS/TCP Offload
- iSCSI Offload (Initiator and Target)
- iSER Offload (Initiator and Target)
- FCoE HW Offload (Initiator)
- NVMe-oF/iWARP (Initiator and Target)
- NVMe/TCP Offload (Initiator and Target)
- NVMe JBOF (Just a Bunch of Flash)
- SPDK NVMe/TCP Offload Target
- Wire Direct Low Latency Suite
- SR-IOV / Virtualization
- DPDK / PacketDirect / Netmap
- OVS / OpenFlow Offload
- NVGRE / VxLAN/ Geneve
- Media StreamEngine²
- Traffic Management / DCB
- Packet Classification, Sniffer & Tracer
- Multi / Single adapter Failover

¹ Supported only on T6 family of adapters

² Not supported by SO (Server Offload) adapters

LP: Low Profile **SO:** Server Offload

Chelsio ASIC, Software and Support Guide



Unified Wire & Server Offload Controller ASICs

T6 is a highly integrated, hyper-virtualized 1/10/25/40/50/100GbE controller ASIC with full offload support of a complete Unified Wire solution comprising L2 NIC, TOE, iWARP RDMA, iSCSI, FCoE, NVGRE, VxLAN, Filtering, Traffic Analytics, Management, OVS Offload, DCB, NVMe-oF, NVMe/TCP, NVMe/TOE and TLS/SSL, DTLS, IPsec, SMB 3.X crypto Offload.

Ordering Information:

T6ASIC2100: T6 Unified Wire Engine, 2x1/10/25/40/50/100G ports, full featured.

T5ASIC40G: T5 Unified Wire Engine, 2x40G or 4x10G ports, full featured.

Chelsio Terminator Core IP

Chelsio's Terminator Core IP is a configurable, high performance Ethernet packet processing engine with a full suite of software, suitable for a wide range of SoC network connectivity solutions. Contact sales@chelsio.com for more information.

Accessories

Twinaxial Cables

TAPCABLE3M (3M 10G Passive)
TAPCABLE28-3M (3M 25G Passive)

QTAPCABLE3M (3M 40G QSFP+ Passive, 30 AWG)
OCTTAPCABLE3M (3M QSFP+ to 4xSFP+ Passive)

QTAPCABLE28-2M (2M 100G QSFP28 Passive)

Optical Cables

QSRCABLE10M (10M Short Reach for 40G and 100G)

Optical Transceivers

SM10G-SR (10G Short Reach SFP+)
SM10G-LR (10G Long Reach SFP+)
SM25G-SR (25G Short Reach SFP28)
SM25G-LR (25G Long Reach SFP28)
SM40G-SR (40G Short Reach QSFP+)
SM40G-LR (40G Long Reach QSFP+)
SM100G-SR (100G Short Reach QSFP28)
SM100G-LR (100G Long Reach QSFP28)

SM10G-SR-BT (1/10GBASE-T RJ45 SFP+)
SM1G-SR-BT (1000BASE-T RJ45 SFP+)

Support

The standard warranty period for Chelsio hardware products is three years from date of purchase. To contact support, call Chelsio at 408-962-3600, submit a support request via www.chelsio.com or email support at support@chelsio.com. Drivers for Chelsio adapters are available at service.chelsio.com

Support Plan:

SUPPORT-GOLD: 40 hours extended technical support: 24-hr response/replacement.

SUPPORT-SILVER: 4 hours extended technical support: 24-hr response.

Supported Platforms, Operating Systems and Hypervisors

