



## Dual Port SFP+ 10 Gigabit Ethernet PCI Express Server

# XEA-P282-LB

<b>Product Information</b>	
<b>Model number:</b>	XEA-P282-LB
<b>Description:</b>	Dual Port SFP+ 10 Gigabit Ethernet PCI Express Server Adapter Broadcom® based
<b>Color:</b>	As picture
<b>Overview:</b>	<p>The 10Gigabit PCI Express TOE server adapters provide a fully integrated solution up to Layer 5 along with a complete 10 Gigabit Ethernet port/s based on Broadcom BCM57810S.</p> <p>10Gigabit Ethernet PCI Express TOE server adapters are the solution for high performance server network application. 10Gigabit Ethernet PCI Express TOE server adapters are based on Broadcom's convergence Network Interface card ( C-NIC) off load technology for iSCSI*, FcOE*, TOE* and RDMA*</p> <p><b>TCP Offload Engine</b> 10Gigabit Ethernet TOE server adapters include dedicated hardware and processors to process the frame that traverse it functionality. On the transmit path, the TOE controller Copied the data directly from the highest hierarchy of buffers available, execute the TCP/IP, adds lower level headers. On the receive, path, the TOE controller process frame up to the highest layer supported present in the frame, removes lower level headers, posts the data directly to application to application buffers. The transmit and receive TOE functionality relieves the host CPI from the from these time consuming operations.</p> <p><b>Convergence NIC</b> The TOE server adapter is a convergence networking interface card and allows one network connection to provide access to all information types. TOE Gigabit Ethernet server adapters can simultaneously support the following functions: TOE* Chimney- enabled network accelerator, iSCSI* controller, RDMA* network interface controller.</p> <p><b>Reliability, Availability, Serviceability</b> 10Gigabit Ethernet PCI Express TOE server adapters enables fault-tolerant via teaming. Traffic from the failed port is routed through up to seven other members of the team.</p> <p>10 Gigabit Ethernet PCI Express TOE server adapters are the ideal solution for implementing multiple network segments, mission-critical high-powered networking applications and environments within high performance servers.</p>

<b>Features:</b>	<p><b>Fiber 10 Gigabit Ethernet 10GBASE-SR:</b> •10 Gigabit Fiber Ethernet port supports 10GBASE-SR (850nm LAN PHY);10Gigabit 850nm Small form Factor Pluggable (SFP+)</p> <p><b>Fiber 10 Gigabit Ethernet 10GBASE-LR:</b> •10 Gigabit Fiber Ethernet port supports 10GBASE-LR (1310nm LAN PHY);10Gigabit 1310nm Small form Factor Pluggable (SFP+)</p> <p><b>SFP+ 10Gigabit Ethernet:</b> •10Gigabit Ethernet Adapter with SFP cage support;Copper 10SFP+Cu (Passive Direct Attach Cable) •Compliant with the SFP+ MSA SFF-8431 specification;Up to 10 meters</p> <p><b>TCP offload Engine</b> •Full fast path TCP offload for IPV4 and IPV6;Microsoft* TCP chimney compliant</p> <p><b>iSCSI Controller*</b> •iSCSI initiator;iSER ( iSCSI over RDMA)</p> <p><b>RDMA Controller ( RNIC)*</b> •RDMA over TCP (iWARP) – RDMAC 1.0 compliant •Hardware-based data placement in application buffers without CPU intervention (user and kernel modes)</p>
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	<ul style="list-style-type: none"> <li>•Receive Side Scaling (RSS);TCP, IP checksum offload;TCP segmentation offload</li> <li>•Message Signal Interrupts (MSI/MSI-X);LEDs indicators for link/Activity status</li> <li>•High performance, reliability, and low power use in Broadcom BCM57810S TOE controller</li> </ul> <p>Host Interface:</p> <ul style="list-style-type: none"> <li>•PCI Express x8 lanes</li> <li>•Support PCI Express Base Specification 3.0 draft v0.71 (8GT/s)</li> <li>•Low-Profile Adapter;SFP+ cage</li> </ul>							
<b>Specification:</b>	<p>Interface Standard:PCI-Express Base Specification Revision 3.0 (8GT/s)</p> <ul style="list-style-type: none"> <li>•Board Size:Low profile add-in card: 167.65mm X 68.91mm (6.60"X 2.713")</li> <li>•PCI Express Card Type:X8 Lane</li> <li>•PCI Express Voltage:+12V +- 8%</li> <li>•PCI Connector:X8 Lane</li> <li>•Controller:Broadcom BCM57810S</li> <li>•Holder:Metal Bracket</li> <li>•Operating Humidity:0%–90%, non-condensing</li> <li>•Operating Temperature:0°C – 45°C (32°F – 113°F)</li> <li>•Storage:-40°C–65°C (-40°F–149°F)</li> <li>•Operating system support:Windows,Linux</li> </ul>							
<b>Buying terms:</b>	Unit price		Place of delivery:		Ljubljana	Terms of Payment:		T/T 100%
	Currency:	EUR	Order quantity		10 pcs	Delivery Time:		<b>1-20 days</b>
<b>Packing:</b>		Qtys (pc)	Length (cm)	Width (cm)	Height (cm)	Weight (kg)	CBM	Type of Packing
	Inner	1	18	16,5	3	0,067		anti-static bag or Blister Package
	Outer	100	52	30	28	7	0,045	carton box
		(OEM package) Customized	Units/20'	Units/ 40'	Units/40'H			
PS: The above contents is just for your reference.								