

Dell-Branded Emulex® Fibre Channel (FC) Adapters by Broadcom

I/O Matrix

Maximum Security and Data Protection

Emulex® SecureHBAs provide a streamlined path to compliance with Commercial National Security Algorithm suite (CNSA 2.0/1.0), NIS2, DORA and other government regulations, utilizing in-flight encryption with post-quantum cryptography (PQC)¹, session-based key management, Zero Trust architecture, Silicon Root of Trust, and Security Protocol and Data Model (SPDM).

Industry-Leading Application Performance

The Emulex Dynamic Multi-core Architecture with FASTPATH® is more reliable due to fully redundant data paths that guarantee no disruption to each port's normal operation and uptime, while beating QLogic's outdated port isolation architecture in third-party performance testing² and more:

- Up to 58% higher database workload performance
- As much as 93% greater workload CPU efficiency
- Up to 47% lower transaction latency

Comprehensive Manageability and Diagnostics

Emulex SAN Manager (no cost license registration), delivers the industry's only autonomous SAN management suite for HBAs, providing the following:

- Optical transceiver failure prediction
- Automated congestion management
- Physical layer link health
- Alerting and reporting

Feature		17G PowerEdge Options		16G PowerEdge Options		
		LPe38102	LPe37102	LPe36002	LPe35002	LPm32002
Form Factor		Stand-Up Card	Stand-Up Card	Stand-Up Card	Stand-Up Card	Mezzanine Card
Description		Gen 7 SecureHBA (64GFC dual-port)	Gen 7 SecureHBA (32GFC dual-port)	Gen 7 (64GFC dual-port)	Gen 7 (32GFC dual-port)	Gen 6 (32GFC dual-port)
Bus Interface		PCIe 4.0	PCIe 4.0	PCIe 4.0	PCIe 4.0	PCIe 3.0
Transceivers Included		Yes	Yes	Yes	Yes	N/A
Auto-Negotiation		64, 32, or 16GFC	32, 16, or 8GFC	64, 32, or 16GFC	32, 16, or 8GFC	32 or 16GFC
Factory Install Part Numbers						
Bracket	Full Height	406-BBXT	406-BBXQ	540-BDRQ	406-BBTL	544-BBCN (no bracket)
	Low Profile	540-BFRS	406-BCBY	540-BDRS	406-BBTM	
Customer Kit Part Numbers						
Bracket	Full Height	406-BBXR	406-BBXS	540-BDRR	406-BBTG	544-BBCU
	Low Profile	540-BFSL	540-BFSM	540-BDRP	406-BBTF	

1: PQC available on LPe38102/LPe37102 SecureHBAs; Storage Review Test Report: docs.broadcom.com/doc/storagereview-emulex-secure-fc-hba 2: Tolly Test Report, Oracle 19C TPROC-C, Emulex LPe38102 HBA vs. QLogic QLE2874, 1-port 64GFC.