



Enabling DPDK by Disabling Storage Offload on the HPE Synergy 4820C/6820C Adapters

Product Affected

HPE® Model	Part Number
HPE Synergy 4820C 10/20/25Gb Converged Network Adapter	876449-B21
HPE Synergy 6820C 25/50Gb Converged Network Adapter	P02054-B21

1 Introduction

This application note details how to disable storage functions on the HPE Synergy 4820C 10/20/25Gb and 6820C 25/50Gb Converged Network Adapters (CNAs) when you want to utilize the data plane developer kit (DPDK) small packet acceleration capability.

2 Issue

DPDK and storage offloads (Fibre Channel over Ethernet (FCoE) or iSCSI) are not supported to run concurrently on the HPE Synergy 4820C/6820C CNAs. FCoE functionality is enabled by default. To utilize DPDK small packet acceleration on the HPE Synergy 4820C/6820C, you must disable FCoE functionality.

3 Workaround

To use DPDK, disable the default FCoE functions on the HPE Synergy 4820C/6820C CNAs using unified extensible firmware interface (UEFI) management.

To disable the FCoE functions on the HPE Synergy 4820C/6820C Converged Network Adapters:

1. During power-on self test (POST), press **F9** to access the System Utilities (see [Figure 3-1](#)).

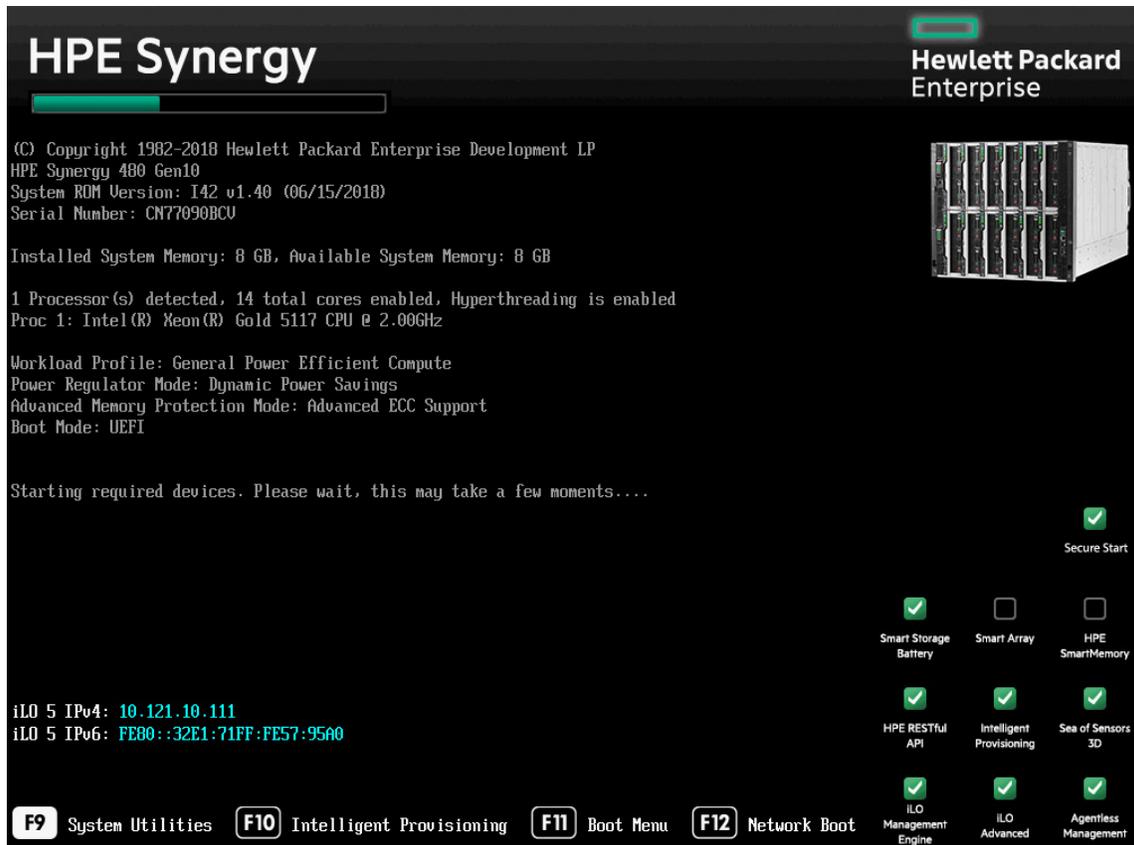


Figure 3-1. Accessing System Utilities

2. On the System Utilities page, select **System Configuration** (see [Figure 3-2](#)).

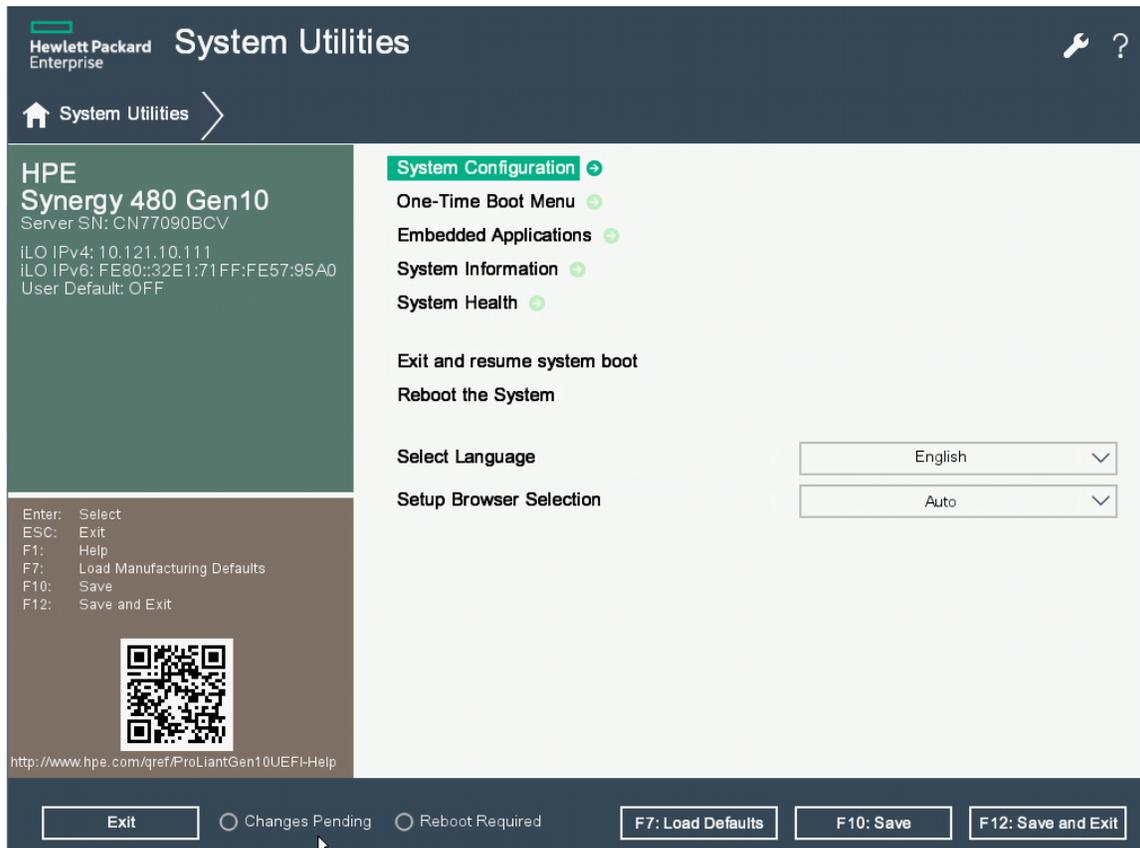


Figure 3-2. Selecting System Configuration

3. Identify the HPE Synergy 4820C/6820C CNAs, and then select **Port 1** (see [Figure 3-3](#)).

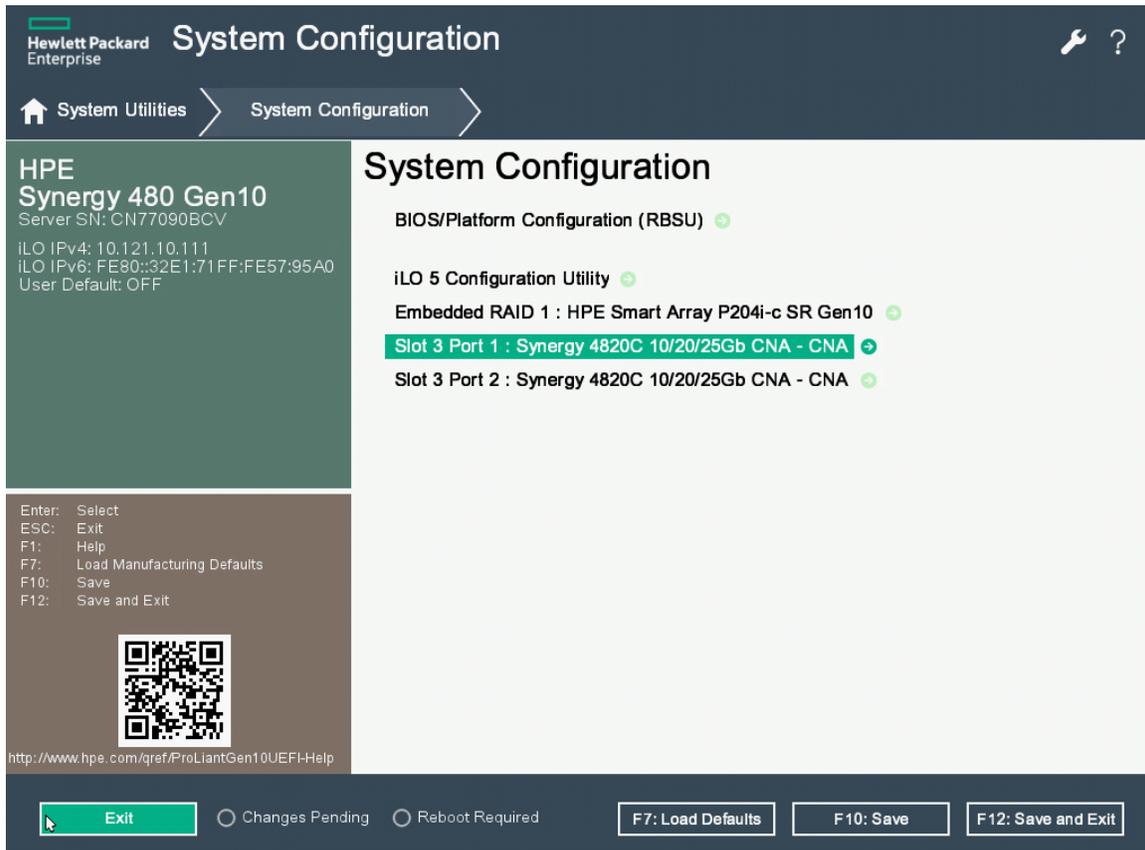


Figure 3-3. Selecting the Adapter Port

- On the Synergy 4820C/6820C CNA page, select **Port Level Configuration** (see [Figure 3-4](#)).

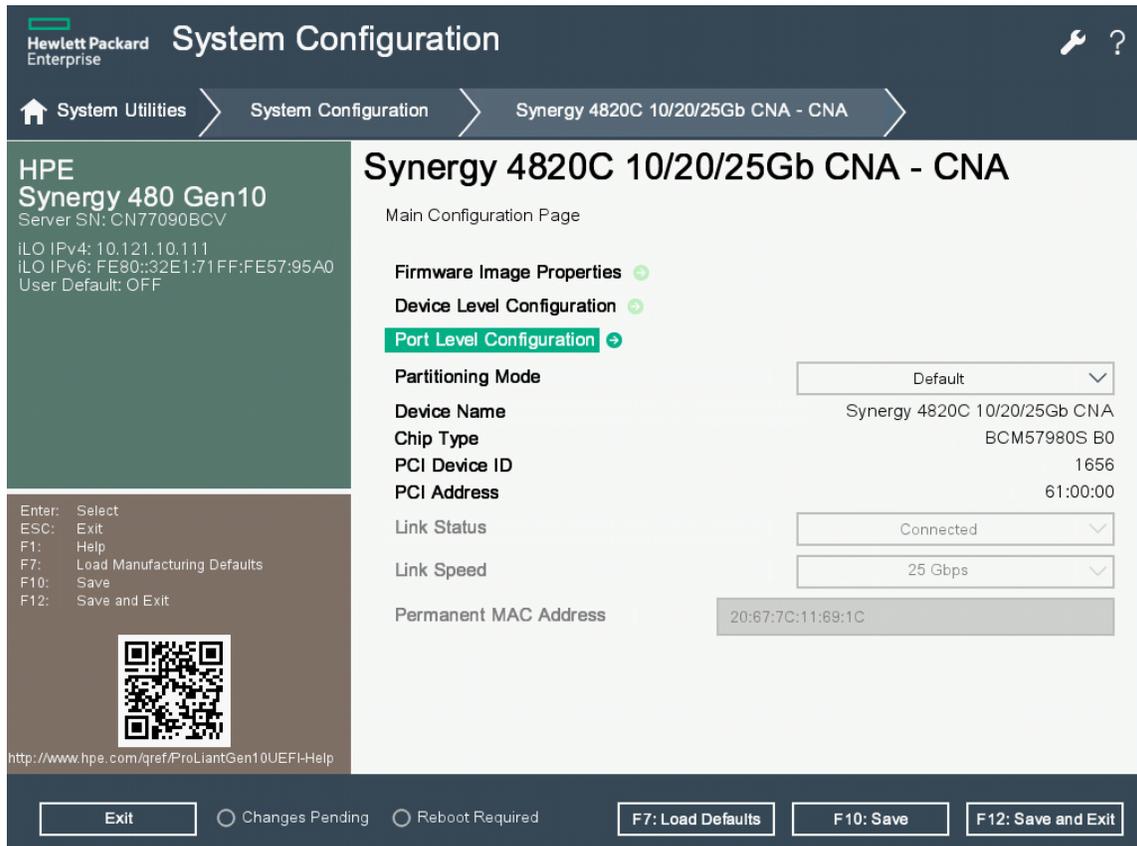


Figure 3-4. Selecting Port Level Configuration

- Under Port Level Configuration, ensure that the FCoE Offload setting is **Disabled** (see [Figure 3-5](#)).

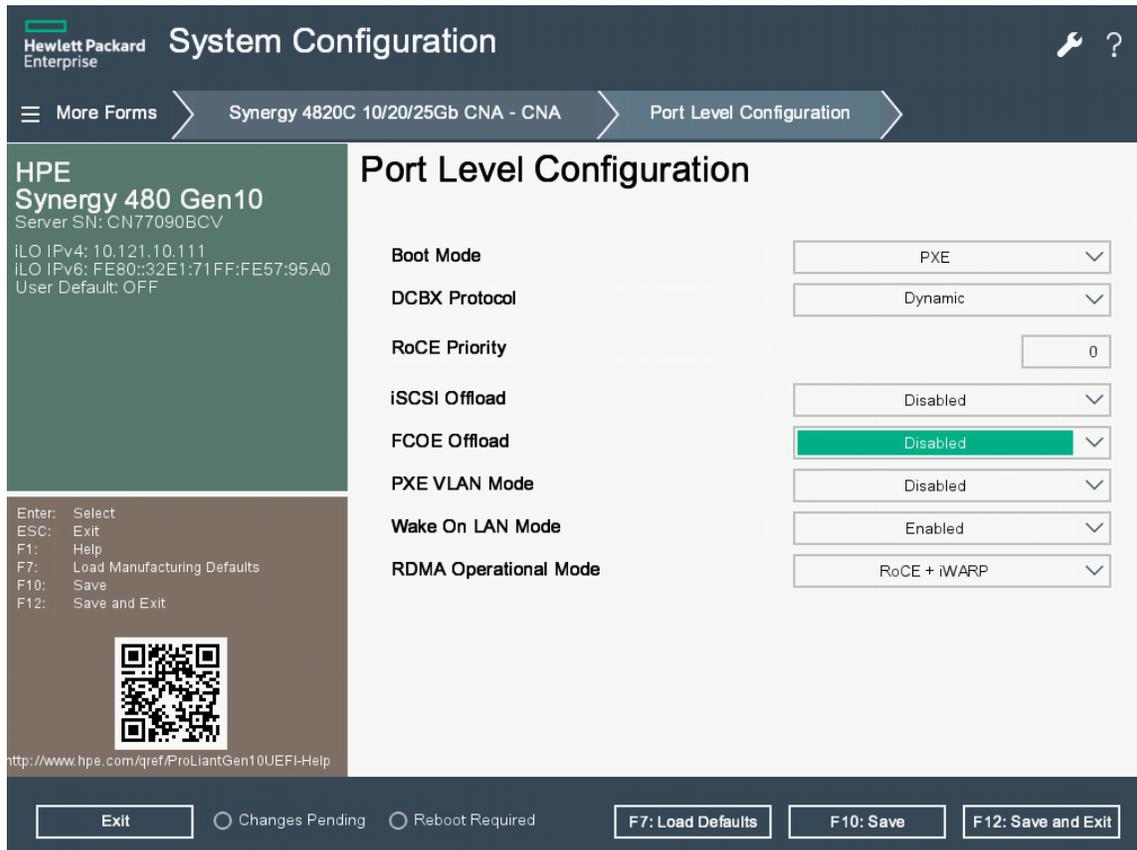


Figure 3-5. Disabling FCoE Offload

Document Revision History

Revision A, September 18, 2018

Revision B, July 26, 2019

Revision C, January 15, 2021

Changes

Re-branded to Marvell.

Added 6820C adapter.

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