



Intel[®] Ethernet Controller E810

Feature Support Matrix

Rev. 4.8

February 2026



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Contents

Revision History	4
1.0 Features Supported	7
2.0 Operating Systems Supported	21
3.0 NVM and Software Compatibility	37
4.0 DPDK Compatibility	42
5.0 Validation - Configuration Maximums	43

Revision History

Revision	Date	Comments
4.8	February 8, 2026	Update include the following: <ul style="list-style-type: none"> • General updates in support of Software Release 31.0, NVM 4.91.
4.7	September 8, 2025	Update include the following: <ul style="list-style-type: none"> • General updates in support of Software Release 30.4 NVM 4.90.
4.6	June 7, 2025	Updates include the following: <ul style="list-style-type: none"> • General updates in support of Software Release 30.1.0.1 NVM 4.80.
4.5	January 18, 2025	Updates include the following: <ul style="list-style-type: none"> • General updates in support of Software Release 29.5 NVM 4.70.
4.4	October 1, 2024	Updates include the following: <ul style="list-style-type: none"> • General updates in support of Software Release 29.2, 29.2.1, 29.3 and NVM 4.50, 4.60.
4.3	July 15, 2024	Updates include the following: <ul style="list-style-type: none"> • General updates in support of Software Release 29.1 and NVM 4.50.
4.2	January 12, 2024	Updates include the following: <ul style="list-style-type: none"> • General updates in support of Software Release 28.3 and NVM 4.40/4.42.
4.1	October 12, 2023	Updates include the following: <ul style="list-style-type: none"> • Added support for RHEL 8.8, RHEL 9.2, and SLES 15 SP5.
4.0	August 9, 2023	Updates include the following: <ul style="list-style-type: none"> • General updates in support of Software Release 28.2 and NVM 4.30/4.32.
3.9	June 16, 2023	Updates include the following: <ul style="list-style-type: none"> • Corrected ESXi versions in NVM and Software Compatibility.
3.8	May 22, 2023	Updates include the following: <ul style="list-style-type: none"> • General updates in support of Software Release 28.1. • Added operating system support for Linux Kernel 5.14.x.
<i>continued...</i>		

Revision	Date	Comments
3.7	March 8, 2023	Updates include the following: <ul style="list-style-type: none"> • Corrected ESXi versions in "NVM and Software Compatibility".
3.6	February 23, 2023	Updates include the following: <ul style="list-style-type: none"> • General updates in support of Software Release 28.0 and NVM 4.20/4.22.
3.5	November 16, 2022	Updates include the following: <ul style="list-style-type: none"> • General updates in support of Software Release 27.7 and NVM 4.10/4.12.
3.4	September 16, 2022	Updates include the following: <ul style="list-style-type: none"> • General updates in support of Software Release 27.6.1 and NVM 4.01/4.02).
3.3	August 8, 2022	Updates include the following: <ul style="list-style-type: none"> • General updates in support of Software Release 27.5 and NVM 4.00/4.02.
3.2	June 23, 2022	Updates include the following: <ul style="list-style-type: none"> • Changed ice (Linux) Kernel Driver to 1.8.9 in "Software/NVM Compatibility for the E810" and "DPDK Recommended Matching List".
3.1	May 11, 2022	Updates include the following: <ul style="list-style-type: none"> • General updates in support of Software Release 27.2.1.
3.0	April 11, 2022	Updates include the following: <ul style="list-style-type: none"> • General updates in support of Software Release 27.1 and NVM 3.20/3.22.
2.9	January 21, 2022	Updates include the following: <ul style="list-style-type: none"> • General updates in support of Software Release 26.8 and NVM 3.10/3.12.
2.8	September 8, 2021	Updates include the following: <ul style="list-style-type: none"> • Added PAM4 for QSFP28 Direct Attach Copper cables under "50 GbE Media Supported" in Table, "Media Types Supported for the E810". • Updated Linux <i>ice</i> driver version in Table, "Software/NVM Compatibility for the E810"
2.7	July 26, 2021	Updates include the following: <ul style="list-style-type: none"> • General updates in support of Software Release 26.4 and NVM 3.00/3.02.
2.6	May 19, 2021	Updates include the following: <ul style="list-style-type: none"> • General updates in support of Software Release 26.3 and NVM 2.50/2.52.
2.5	March 24, 2021	Updates include the following: <ul style="list-style-type: none"> • General updates in support of Software Release 26.1 and NVM 2.40/2.42.
2.4	December 21, 2020	Updates include the following: <ul style="list-style-type: none"> • General updates in support of Software Release 25.6 and NVM 2.30/2.32.
<i>continued...</i>		

Revision	Date	Comments
2.3	November 16, 2020	Updates include the following: <ul style="list-style-type: none"> • General updates in support of Software Release 25.5 and NVM 2.20/2.22.
2.2	September 30, 2020	Updates include the following: <ul style="list-style-type: none"> • General updates in support of Software Release 25.4 and NVM 2.15/2.14.
2.1	September 17, 2020	Updates include the following: <ul style="list-style-type: none"> • General updates in support of Software Release 25.3 and NVM 2.10/2.12.
2.0 ¹	July 23, 2020	Initial public release.
<i>Note:</i> 1. There are no previous publicly-available versions of this document.		

1.0 Features Supported

The following tables list the feature support provided by the NVM and software drivers for a given release starting with the production release (Release 25.2, NVM 2.00/2.02). The [Intel® Ethernet Controller E810 Datasheet](#) reflects the silicon device capability, while this document reflects what is actually supported in the NVM and software for a given release.

- Throughout this document:
 - The Intel® Ethernet Controller E810 is represented as “E810”.
 - “X” = Supported with Intel® NVM and software driver.
 - “---” = Not supported with Intel® NVM and software driver.
 - “SNV” = Supported but Not Validated
- The following table lists software releases and associated NVMs:

Software Release Version	NVM Version	Silicon Stepping	SRev
Targeted ¹	1.02	B0	1
25.2	2.00	C0	2
	2.02	B0	
25.3	2.10	C0	2
	2.12	B0	
25.4	2.15	C0	2
	2.14	B0	
25.5	2.20	C0	2
	2.22	B0	
25.6	2.30	C0	3
	2.32	B0	

continued...

Software Release Version	NVM Version	Silicon Stepping	SRev
26.1	2.40	C0	3
	2.42	B0	
26.3	2.50	C0	4
26.4	3.00	C0	5
26.8	3.10	C0	6
27.1	3.20	C0	6
27.2.1	3.20	C0	6
27.5	4.00	C0	6
27.6	4.01	C0	6
27.7	4.10	C0	8
28.0/28.1	4.20	C0	9
28.2	4.30	C0	9
28.3	4.40	C0	10
29.1/29.2/29.2.1	4.50	C0	11
29.3	4.60	C0	12
29.5	4.70	C0	12
30.1.0.1/30.1.1/30.2/30.3	4.80	C0	13
30.4/30.4.2/30.5/30.5.1	4.90	C0	13
30.6/31.0	4.91	C0	13
<i>Note: 1. This was a targeted production release.</i>			

- Features not listed in this document are not officially supported.

Table 1. Interfaces Supported for the E810

Feature ¹	Supported in Release		
	Targeted through 25.5	25.6 through 28.1	28.2 through 31.0
Link Modes 2x100 Port Option			
2x QSFP:			
100GBASE-CR4	X	X	X
100GBASE-CR2	X	X	X
100G-CAUI4 C2C/C2M	X	X	X
100GBASE-SR4/LR4 ²	X	X	X
100GBase-DR	---	---	X
50G-LAUI2 C2C/C2M	X	X	X
50GBASE-CR2	X	X	X
50GBASE-CR	X	X	X
25G-AUI	X	X	X
25GBASE-CR/CR1/CR-S	X	X	X
10GBASE-SR/LR	X	X	X
10G-SFI	X	X	X
BACKPLANE:			
100GBASE-KR4	X	X	X
100GBASE-KR2	---	X	X
50GBASE-KR2	X	X	X
50GBASE-KR	---	---	---
25GBASE-KR/KR1	X	X	X
10GBASE-KR	X	X	X
1000BASE-KX	X	X	X
<i>continued...</i>			

Feature ¹	Supported in Release		
	Targeted through 25.5	25.6 through 28.1	28.2 through 31.0
Link Modes 4x25 Port Option			
QSFP/SFP:			
25GBASE-CR1/CR/CR-S	X	X	X
25GBASE-SR/LR	X	X	X
25G-AUI	X	X	X
10G-SFI	X	X	X
1000BASE-LX/SX	X	X	X
SGMII	X	X	X
BACKPLANE:			
25GBASE-KR/KR1	X	X	X
10GBASE-KR	X	X	X
1000BASE-KX	X	X	X
Link Modes 8x10 Port Option			
QSFP/SFP:			
10G-SFI	X	X	X
1000BASE-SX/LX	X	X	X
SGMII	X	X	X
BACKPLANE:			
10GBASE-KR	X	X	X
1000BASE-KX	X	X	X
<p><i>Notes:</i> 1. FEC is supported in the modes as it is required by the specification. 2. Added support for higher power modules on select Intel® Ethernet Network Adapters.</p>			

Table 2. Media Types Supported for the E810

Feature	Supported in Release				
	Targeted	25.2 through 25.4	25.5	25.6 through 26.3	25.6 through 31.0
100 GbE Media Supported					
QSFP28 Direct Attach Copper cables (NRZ/PAM4)	X	X	X	X	X
QSFP28 100G PAM4 Optics	---	SNV	SNV	SNV	SNV
QSFP28 100GBASE-LR4 optics ¹	X	X	X	X	X
QSFP28 100GBASE-SR4 optics	X	X	X	X	X
QSFP28 100G SRBD ²	---	SNV	SNV	SNV	X
QSFP28 100G CWDM4	---	X	X	X	X
QSFP28 100G PSM4	---	X	X	X	X
QSFP28 AOCs (Active Optical Cables)	X	X	X	X	X
50 GbE Media Supported					
QSFP28 Direct Attach Copper cables (NRZ/PAM4)	X	X	X	X	X
QSFP28 Direct Attach Copper breakout cables (NRZ)	---	SNV	SNV	SNV	SNV
SFP28 Direct Attach Copper cables (PAM4)	---	---	---	---	---
QSFP28 100G PAM4 Optics	---	---	---	---	---
SFP28 50G PAM4 Optics	---	---	---	---	---
QSFP28 AOCs (Active Optical Cables) (NRZ)	---	SNV	SNV	SNV	SNV
QSFP28 AOC breakout cables (NRZ)	---	SNV	X	X	X
SFP28 AOCs (Active Optical Cables) (PAM4)	---	---	---	---	---
25 GbE Media Supported					
QSFP28 Direct Attach Copper cables	X	X	X	X	X
QSFP28 Direct Attach Copper breakout cables	X	X	X	X	X
SFP28 25GBASE-LR optics	X	X	X	X	X

continued...

Feature	Supported in Release				
	Targeted	25.2 through 25.4	25.5	25.6 through 26.3	25.6 through 31.0
SFP28 25GBASE-SR optics	X	X	X	X	X
SFP28 25GBASE-CR Direct Attach Copper cables (CA-N, CA-S and CA-L)	X	X	X	X	X
SFP28 AOCs (Active Optical Cables)	X	X	X	X	X
QSFP28 AOC breakout cables	X	X	X	X	X
QSFP28 to SFP28 Adapter (QSA)	---	---	---	X	X
10 GbE Media Supported					
SFP+ Direct Attach Copper cables	X	X	X	X	X
QSFP+ Direct Attach Copper breakout cables	X	X	X	X	X
SFP+ 10GBASE-LR optics	X	X	X	X	X
SFP+ 10GBASE-SR optics	X	X	X	X	X
SFP+ AOCs (Active Optical Cables)	X	X	X	X	X
QSFP+ AOC breakout cables	X	X	X	X	X
QSFP28 to SFP28 Adapter (QSA)	---	---	---	X	X
1 GbE Media Supported					
SFP 1000BASE-T Transceiver (supporting SGMII to the host)	X	X	X	X	X
SFP 1000BASE-LX optics	X	X	X	X	X
SFP 1000BASE-SX optics	X	X	X	X	X
SFF specifications supported: <ul style="list-style-type: none"> • 8024 rev 4.5 • 8436 rev 4.8 • 8472 rev 12.2 • 8636 rev 2.7 					
<i>Notes:</i> 1. Current module support implemented for modules at Power Class 4 and lower. 2. Current module functions with "Lenient Mode" only. Not fully validated. For more information, see Specification Clarification #11 in the <i>Intel® Ethernet Controller E810 Specification Update</i> .					

Table 3. General Features for the E810

Feature	Supported in Release																		
	Targe ted	25.2 thro ugh 25.4	25.5	25.6	26.1	26.3	26.4	26.8	27.1 thro ugh 27.2 .1	27.5 thro ugh 27.6 .1	27.7 thro ugh 28.0	28.2	28.3	29.0	29.1	29.2	29.2.1	29.3 thro ugh h 31.0	
Link Flow Control	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Priority Flow Control	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Transmit Allocation Buffers Driver Uses (Range 128-4096, default is 512)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Checksum Offload (IPv4/ IPv6, SCTP, TCP, UDP, Tx/Rx)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Large Send Offload (TSO) (Up to 64 KB)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
2K Tx Queues	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
2K Rx Queues	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
VLANs	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Teaming	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Interrupt Moderation Rate	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Message Signaled Interrupts (MSI-X)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Jumbo Packet (9 K max)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Receive Side Scaling (RSS)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
<i>continued...</i>																			



Feature	Supported in Release																	
	Targeted	25.2 through 25.4	25.5	25.6	26.1	26.3	26.4	26.8	27.1 through 27.2 .1	27.5 through 27.6 .1	27.7 through 28.0	28.2	28.3	29.0	29.1	29.2	29.2.1	29.3 through 31.0
RSS Receive Queues (Number of PF RSS queues can vary based on OS and number of cores supported in the system. For the operating systems that support VFs, 4 queues per VF are supported.)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Wake from S5¹	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Receive Side Coalescing (RSC) Linux GRO (Done by software)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
IEEE 1588 – Precision Time Protocol (Linux)	---	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
IEEE 1588 – Precision Time Protocol (Windows)	---	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
IEEE 1588 - Precision Time Protocol (VMware ESXi)	---	---	---	---	---	---	X	X	X	X	X	X	X	X	X	X	X	X
Intel® Ethernet Flow Director (Intel® Ethernet FD) (SW ATR not supported)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Legacy PXE	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Remote Boot: PXE (UEFI)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Remote Boot: iSCSI (UEFI)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Flat NVM	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

continued...

Feature	Supported in Release																	
	Targeted	25.2 through 25.4	25.5	25.6	26.1	26.3	26.4	26.8	27.1 through 27.2 .1	27.5 through 27.6 .1	27.7 through 28.0	28.2	28.3	29.0	29.1	29.2	29.2.1	29.3 through 31.0
FW Recovery and Rollback Mode	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
FMP Update	---	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
PCIe 3.0	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
PCIe 4.0	---	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Malicious Driver Detection (MDD)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Locally Administered Address (LAA)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Access Control Lists (ACL) rules configured by Device Control plane Function (DCF)	---	---	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Linux: Application Device Queues (ADQ) support²	---	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Linux: ADQ with ADQ Configuration Script²	---	---	---	---	---	---	---	---	---	X	X	X	X	X	X	X	X	X
Linux: ADQ with Independent Pollers²	---	---	---	---	---	---	---	---	---	X	X	X	X	X	X	X	X	X
Linux: ADQ with GTP support²	---	---	---	---	---	---	---	X	X	X	X	X	X	X	X	X	X	X
Linux: ADQ in VF²	---	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Linux: Forward to Queue Using TC (with and Without ADQ)²	---	---	---	---	---	---	---	---	---	X	X	X	X	X	X	X	X	X
Linux: ADQ with 256 Queue Pairs Support²	---	---	---	---	---	---	---	---	---	X	X	X	X	X	X	X	X	X

continued...

Feature	Supported in Release																	
	Targeted	25.2 through 25.4	25.5	25.6	26.1	26.3	26.4	26.8	27.1 through 27.2 .1	27.5 through 27.6 .1	27.7 through 28.0	28.2	28.3	29.0	29.1	29.2	29.2.1	29.3 through 31.0
Linux: ADQ with Per-TC Inline Flow Director²	---	---	---	---	---	---	---	---	X	X	X	X	X	X	X	X	X	X
Linux: eXpress Data Path (XDP) support	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Linux: AF_XDP support	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Linux: NVMe over iWARP	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Linux: NVMe over RoCEv2	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Linux: NVMe over TCP without ADQ	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Linux: NVMe over TCP with ADQ³	---	---	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Linux: L3 DSCP QoS Support (non-RDMA)	---	---	---	---	---	---	X	X	X	X	X	X	X	X	X	X	X	X
Linux: L3 DSCP QoS Support (RDMA)	---	---	---	---	---	---	---	X	X	X	X	X	X	X	X	X	X	X
RDMA (iWARP and RoCEv2) support⁴	---	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
RDMA VMware support	---	---	---	---	X	---	X	X	X	X	X	X	X	X	X	X	X	X
VMware: vSAN over RoCEv2 support	---	---	---	---	X	---	X	X	X	X	X	X	X	X	X	X	X	X
VMware: NVMe over RDMA (RoCEv2)	---	---	---	---	---	---	---	---	X	X	X	X	X	X	X	X	X	X
RDMA VF for Windows support	---	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
RDMA VF for Linux support	---	---	---	---	---	---	---	X	X	X	X	X	X	X	X	X	X	X

continued...

Feature	Supported in Release																	
	Targeted	25.2 through 25.4	25.5	25.6	26.1	26.3	26.4	26.8	27.1 through 27.2 .1	27.5 through 27.6 .1	27.7 through 28.0	28.2	28.3	29.0	29.1	29.2	29.2.1	29.3 through 31.0
RDMA LAG Support	---	---	---	---	---	---	---	---	---	---	X	X	X	X	X	X	X	X
RDMA FreeBSD (iWARP) support	---	---	---	---	X	X	X	X	X	X	X	X	X	X	X	X	X	X
RDMA FreeBSD (RoCEv2) support	---	---	---	---	X ⁵	X ⁵	X ⁵	X	X	X	X	X	X	X	X	X	X	X
Intel® Ethernet Adaptive Virtual Function support	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Accelerated Receive Flow Steering (aRFS)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
MACVLAN	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
VF Support up to 16 Queues (Linux and ESXi AVF, Linux PF)	---	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
VF Support up to 16 Queues (Windows AVF only)	---	---	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Large VF Support up to 256 Queues (DPDK iAVF only)	---	---	---	X	X	X	X	X	X	X	X	X	SNV	SNV	SNV	SNV	SNV	SNV
Large VF Support up to 256 Queues (Linux)	---	---	---	---	---	---	---	---	---	---	---	X	X	X	X	X	X	X
SW DCB Agent	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Multi-Protocol Label Switching offload (MPLS)⁶	---	---	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Q in Q support (Linux)	---	---	---	---	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Q in Q support for VF (VMware ESXi)	---	---	---	---	---	---	---	---	---	X	X	X	X	X	X	X	X	X

continued...

Feature	Supported in Release																	
	Targeted	25.2 through 25.4	25.5	25.6	26.1	26.3	26.4	26.8	27.1 through 27.2 .1	27.5 through 27.6 .1	27.7 through 28.0	28.2	28.3	29.0	29.1	29.2	29.2.1	29.3 through 31.0
NVM Update using Devlink interface⁷	---	---	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Health Status Message Reporting	---	---	---	---	---	X	X	X	X	X	X	X	X	X	X	X	X	X
FW Logging	---	---	---	---	---	---	X	X	X	X	X	X	X	X	X	X	X	X
FW Debug Dump	---	---	---	---	---	---	---	---	---	---	---	X	X	X	X	X	X	X
Data Center Bridging (DCB)⁴:																		
DCBx in FW	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
DCBx in SW (Linux only)	---	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
DCBx in SW (VMware ESXi only)	---	---	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
DCBx in SW (FreeBSD only)	---	---	---	---	---	---	---	X	X	X	X	X	X	X	X	X	X	X
Virtualization:																		
Virtual Machine Device Queues (VMDQ)/Layer 2 Forwarding (L2FWD)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Single Root-Input Output Virtualization (SR-IOV)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Receive Side Scaling (RSS) in VF	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Switchdev mode support (Linux only)	---	---	---	---	---	X	X	X	X	X	X	X	X	X	X	X	X	X
IEEE 1588 - Precision Time Protocol (PTP) support in VF (VMware ESXi only) ^{8,9}	---	---	---	---	---	---	X	X	X	X	X	X	X	X	X	X	X	X
Trusted VF (VMware ESXi)	---	---	---	---	---	---	---	---	X	X	X	X	X	X	X	X	X	X
<i>continued...</i>																		

Feature	Supported in Release																	
	Targeted	25.2 through 25.4	25.5	25.6	26.1	26.3	26.4	26.8	27.1 through 27.2 .1	27.5 through 27.6 .1	27.7 through 28.0	28.2	28.3	29.0	29.1	29.2	29.2.1	29.3 through 31.0
Cloud Offloads (supported by driver):																		
Virtual eXtensible LAN (VxLAN) (All operating systems except FreeBSD)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Network Virtualization using Generic Routing Encapsulation (NVGRE) (Windows only)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Generic Routing Encapsulation (GRE) (Linux)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
GEneric NETworking Virtualization Encapsulation (GENEVE) (Linux, ESXi)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Manageability Support¹⁰:																		
Network Controller-Sideband Interface (NC-SI)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Management Component Transport Protocol (MCTP)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Platform Level Data Model (PLDM) Type 0 - Messaging Control and Discovery	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
PLDM Type 2 - Platform Monitoring and Control	---	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
PLDM Type 5 - Firmware Update ¹¹	---	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
<i>continued...</i>																		

Feature	Supported in Release																	
	Targeted	25.2 through 25.4	25.5	25.6	26.1	26.3	26.4	26.8	27.1 through 27.2 .1	27.5 through 27.6 .1	27.7 through 28.0	28.2	28.3	29.0	29.1	29.2	29.2.1	29.3 through 31.0
PLDM Type 6 - Redfish Device Enablement	---	X ¹²	X ¹²	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Operating System to Baseboard Management Controller (OS2BMC)	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV

Notes:

- Limited support on selected boards.
- Link to [Intel® Ethernet Controller E810 Application Device Queues \(ADQ\) Configuration Guide](#).
- Link to [NVM Express over TCP with SPDK for Intel® Ethernet Products with ADQ Configuration Guide](#) and [NVM Express over TCP with Linux Kernel for Intel® Ethernet Products with ADQ Configuration Guide](#).
- Should not be used in 8x10 GbE mode. Supported in configurations of 4 PFs or less.
- Limited support. DCB and Priority Flow Control (PFC) are not supported on earlier releases.
- Link to [Intel® Ethernet Controller E810 Dynamic Device Personalization \(DDP\) Technology Guide](#).
- Kernel versions 5.10 and later are needed for full support.
- Out of tree (OOT) only.
- Only supported on ESX.
- Intel® updated the E810 FW to align the sensor ID design as defined by DMTF DSP2054 starting from Release 26.4. Previous versions of the E810 FW were based on draft version of the specification. As a result, updating to the newer NVM with this FW will result in updating numbering for the thermal sensorsIDs and PDR handlers. Anyone using hard coded values for these will see changes. A proper description of the system through PLDM type 2 PDRs shall give a BMC enough information to understand what sensors are available, what they are monitoring, and what their ID is.
- Support on PCIe interface only.
- Supports read-only operation.

2.0 Operating Systems Supported

The following tables list the supported operating systems and virtualized operating systems. For the latest OS support, see <http://intel.com/support/ethernetos>.

Table 4. Operating Systems Supported for Physical Function Driver for the E810

Operating System	In-box/ In-distro/ In-kernel	Out-of-tree/ Asynchronous ¹	Supported in Release																							Notes		
			Targeted ²	25.2 through 25.4	25.5	25.6	26.1	26.3	26.4	26.8	27.1 and 27.2.1	27.5	27.6.1	27.7	28.0/28.1	28.2	28.3	29.0	29.1	29.2	29.2.1	29.3	29.5	30.1.0.1	30.4		31.0	
Azure Local 2511	No	Yes	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	X	a
Azure Stack HCI 24H2	No	Yes	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	X	X	X	X	X	a
Azure Stack HCI 23H2	No	Yes	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	X	SNV	SNV	X	X	X	X	X	X	a
Azure Stack HCI 22H2	No	Yes	---	---	---	---	---	---	---	---	---	---	---	X	X	X	X	X	X	SNV	SNV	X	X	SNV	SNV	SNV	SNV	a
Azure Stack HCI 21H2	No	Yes	---	---	---	---	---	---	---	---	X	X	X	X	X	X	X	X	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	---	a
Azure Stack HCI 20H2	No	Yes	---	---	---	X	X	X	X	X	X	X	X	SNV	---	---	---	---	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	---	a
Windows Server 2025	No	Yes	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	X	X	X	X	a	
Windows Server 2022	No	Yes	---	---	---	---	---	---	---	X	X	X	X	X	X	X	X	X	X	SNV	SNV	X	X	X	X	X	X	a

continued...



Operating System	In-box/ In-distro/ In-kernel	Out-of-tre/ Asy-nc ¹	Supported in Release																								Notes		
			Target ²	25.2 through 25.4	25.5	25.6	26.1	26.3	26.4	26.8	27.1 and 27.2.1	27.5	27.6.1	27.7	28.0/28.1	28.2	28.3	29.0	29.1	29.2	29.2.1	29.3	29.5	30.1.0.1	30.4	31.0			
Windows Server 2019 (20H1)	No	Yes	---	X	X	X	X	X	X	X	X	SNV	SNV	SNV	SNV	X	X	X	X	SNV	SNV	X	SNV	SNV	X	X	a		
Windows Server 2019 (19H1)	No	Yes	X	X	X	X	X	X	X	X	X	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	a		
Windows Server 2019	No	Yes	X	X	X	X	X	X	X	X	X	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	a		
Windows Server 2016	No	Yes	X	X	X	X	X	X	X	X	X	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	a		
Windows 11 (25H2)	No	Yes	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	X	a		
Windows 11 (24H2)	No	Yes	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	X	X	X	X	a
Windows 11 (23H2)	No	Yes	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	X	X	X	X	a
Windows 11 (22H2)	No	Yes	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	X	SNV	SNV	SNV	SNV	SNV	SNV	SNV	---	a
Windows 11 (21H2)	No	Yes	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	X	SNV	SNV	SNV	SNV	SNV	SNV	SNV	---	a
Windows 11	No	Yes	---	---	---	---	---	---	---	---	---	---	X	X	X	X	X	X	X	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	a	
Windows 10	No	Yes	---	---	---	---	---	---	---	---	---	---	---	X	X	X	X	X	X	SNV	SNV	X	X	X	X	X	X	a	
Windows PE	No	Yes	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	a	
Linux Kernel 6.x	No	Yes ³	---	---	---	---	---	---	---	---	---	---	---	---	X	X	X	X	SNV	SNV	SNV	SNV	X	X	X	X	a		
Linux Kernel 5.19.x	No	Yes	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	X	X	a	

continued...



Operating Systems Supported—Intel® Ethernet Controller E810

Operating System	In-box/ In-distro/ In-kernel	Out-of-tree/ Asyncl	Supported in Release																							Notes			
			Targeted ²	25.2 through 25.4	25.5	25.6	26.1	26.3	26.4	26.8	27.1 and 27.2.1	27.5	27.6.1	27.7	28.0/28.1	28.2	28.3	29.0	29.1	29.2	29.2.1	29.3	29.5	30.1.0.1	30.4		31.0		
Linux Kernel 5.14.x	No	Yes	---	---	---	---	---	---	---	---	---	---	---	---	X	X	X	X	SNV	SNV	SNV	X	X	SNV	SNV	SNV	a		
Linux Kernel 5.12.x	No	Yes ³	---	---	---	---	---	---	SNV	SNV	SNV	SNV	SNV	SNV	SNV	X	X	X	SNV	SNV	SNV	X	X	SNV	SNV	SNV	a		
Linux Kernel 5.11.x	No	Yes ³	---	---	---	---	---	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	X	X	X	SNV	SNV	SNV	X	X	SNV	SNV	SNV	a		
Linux Kernel LTS 5.15.x/ 5.10.x/ 5.4.x	No	Yes ³	X	X	X	X	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	X	X	X	X	SNV	SNV	X	X	SNV	SNV	X	a		
Linux Real Time Kernel 6.x/5.x	No	Yes ³	---	---	---	---	---	---	---	---	---	---	---	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	X	SNV	a	
Linux: Debian 11	Yes ⁴	Yes	---	---	---	---	---	---	---	---	X	X	X	X	X	X	X	X	X	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	a	
Linux: RHEL 10.1	Yes ⁴	Yes	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	X	a	
Linux: RHEL 10.0	Yes ⁴	Yes	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	X	X	a
Linux: RHEL 9.7	Yes ⁴	Yes	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	X	a	
Linux: RHEL 9.6	Yes ⁴	Yes	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	X	X	a
Linux: RHEL 9.5	Yes ⁴	Yes	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	X	X	SNV	SNV	a
Linux: RHEL 9.4	Yes ⁴	Yes	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	X	SNV	SNV	X	X	SNV	SNV	SNV	SNV	a	
Linux: RHEL 9.3	Yes ⁴	Yes	---	---	---	---	---	---	---	---	---	---	---	---	---	---	X	X	X	SNV	SNV	X	X	SNV	SNV	SNV	SNV	a	
Linux: RHEL 9.2	Yes ⁴	Yes	---	---	---	---	---	---	---	---	---	---	---	---	---	X	X	X	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	---	a	

continued...



Operating System	In-box/In-distro/In-kernel	Out-of-tree/Async ¹	Supported in Release																								Notes
			Target ²	25.2 through 25.4	25.5	25.6	26.1	26.3	26.4	26.8	27.1 and 27.2.1	27.5	27.6.1	27.7	28.0/28.1	28.2	28.3	29.0	29.1	29.2	29.2.1	29.3	29.5	30.1.0.1	30.4	31.0	
Linux: RHEL 9.1	Yes ⁴	Yes	---	---	---	---	---	---	---	---	---	---	---	X	X	X	X	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	---	a
Linux: RHEL 9	Yes ⁴	Yes	---	---	---	---	---	---	---	---	---	X	X	X	X	X	SNV	SNV	SNV	SNV	SNV	SNV	SNV	---	---	---	a
Linux: RHEL 8.10	Yes ⁴	Yes	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	SNV	SNV	X	X	X	X	SNV	a
Linux: RHEL 8.9	Yes ⁴	Yes	---	---	---	---	---	---	---	---	---	---	---	---	---	X	X	X	SNV	SNV	X	X	SNV	SNV	SNV	SNV	a
Linux: RHEL 8.8	Yes ⁴	Yes	---	---	---	---	---	---	---	---	---	---	---	---	X	X	X	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	---	a
Linux: RHEL 8.7	Yes ⁴	Yes	---	---	---	---	---	---	---	---	---	---	---	X	X	X	X	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	a
Linux: RHEL 8.6	Yes ⁴	Yes	---	---	---	---	---	---	---	---	---	X	X	X	X	X	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	---	---	a
Linux: RHEL 8.5	Yes ⁴	Yes	---	---	---	---	---	---	---	X	X	X	X	X	X	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	---	---	a	
Linux: RHEL 8.4	Yes ⁴	Yes	---	---	---	---	---	---	SNV	X	X	X	X	X	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	---	---	a	
Linux: RHEL 8.3	Yes ⁴	Yes	---	---	---	X	X	X	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	---	---	a	
Linux: RHEL 8.2	Yes ⁴	Yes	---	X	X	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	---	---	a	
Linux: RHEL 8.1	No	Yes	---	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	---	---	---	a	
Linux: RHEL 8	No	Yes	X	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	a
Linux: RHEL 7.9	No	Yes	---	---	X	X	X	X	X	SNV	X	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	---	---	a	
Linux: RHEL 7.8	No	Yes	---	X	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	---	---	a	
Linux: RHEL 7.7	No	Yes	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	---	---	a	

continued...

Operating Systems Supported—Intel® Ethernet Controller E810

Operating System	In-box/ In-distro/ In-kernel	Out-of-tree/ Asynchronous ¹	Supported in Release																									Notes	
			Target ²	25.2 through 25.4	25.5	25.6	26.1	26.3	26.4	26.8	27.1 and 27.2.1	27.5	27.6.1	27.7	28.0/28.1	28.2	28.3	29.0	29.1	29.2	29.2.1	29.3	29.5	30.1.0.1	30.4	31.0			
Linux: RHEL 7.6/7.5	No	Yes	X	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	---	---	---	a	
Linux: SLES 16	Yes ⁴	Yes	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	X	a	
Linux: SLES 15 SP7	Yes ⁴	Yes	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	X	X	a	
Linux: SLES 15 SP6	Yes ⁴	Yes	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	X	X	X	X	SNV	SNV	a	
Linux: SLES 15 SP5	Yes ⁴	Yes	---	---	---	---	---	---	---	---	---	---	---	---	X	X	X	X	X	SNV	SNV	X	X	SNV	SNV	SNV	SNV	a	
Linux: SLES 15 SP4	Yes ⁴	Yes	---	---	---	---	---	---	---	---	---	X	X	X	X	X	X	X	SNV	SNV	SNV	SNV	SNV	SNV	---	---	---	a	
Linux: SLES 15 SP3	Yes ⁴	Yes	---	---	---	---	---	---	---	---	X	X	X	X	X	X	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	---	---	---	a	
Linux: SLES 15 SP2	Yes ⁴	Yes	---	X	X	X	X	X	X	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	---	---	---	a	
Linux: SLES 15 SP1	No	Yes	X	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	---	---	---	a
Linux: SLES 15	No	Yes	X	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	a
Linux: SLES 12 SP5	No	Yes	---	X	X	X	X	X	X	X	X	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	X	X	X	X	---	a	
Linux: SLES 12 SP4	No	Yes	X	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	---	---	---	a	
Linux: Ubuntu 24.04 LTS	Yes ⁴	Yes	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	X	X	X	X	a

continued...



Operating System	In-box/ In-distro/ In-kernel	Out-of- tre e/ Asyn- c ¹	Supported in Release																								Notes	
			Targeted ²	25.2 through 25.4	25.5	25.6	26.1	26.3	26.4	26.8	27.1 and 27.2.1	27.5	27.6.1	27.7	28.0/ 28.1	28.2	28.3	29.0	29.1	29.2	29.2 .1	29.3	29.5	30.1 .0.1	30.4	31.0		
Linux: Ubuntu 22.04 LTS	Yes ⁴	Yes	---	---	---	---	---	---	---	---	---	SNV	SNV	SNV	SNV	X	X	X	X	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	a
Linux: Ubuntu 20.04 LTS	Yes ⁴	Yes	---	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	X	X	X	X	X	X	X	X	SNV	SNV	SNV	SNV	SNV	SNV	---	---	a
Linux: Ubuntu 18.04 LTS	No	Yes	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	---	---	---	a	
Linux: CentOS 8.3/8.2	Yes ⁴	Yes	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	---	a
Linux: CentOS 8.1/8	No	Yes	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	---	a
Linux: CentOS 7.9/7.8/7.7/7.6/7.4	No	Yes	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	---	a
Linux: CentOS 7.2	No	Yes	---	---	---	---	---	---	---	X ⁵	X ⁵	X ⁵	X ⁵	X ⁵	X ⁵	X ⁵	X ⁵	X ⁵	X ⁵	SNV	SNV	SNV	SNV	SNV	SNV	SNV	---	a
Kylin Linux Advanced Server V10			---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	X	X	X	X	a
VMware vSphere 9 (ESXi 9.0 ⁶)	Yes	Yes	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	X	a,b
VMware vSphere 8 (ESXi 8.0 ⁶)	Yes	Yes	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	SNV	SNV	X	X	X	X	a,b	
VMware vSphere 7 (ESXi 7.0 ⁶)	Yes	Yes	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	SNV	SNV	SNV	X	X	X	---	a,b	

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Operating Systems Supported—Intel® Ethernet Controller E810

Operating System	In-box/ In-distro/ In-kernel	Out-of-tree/ Asyncl	Supported in Release																								Notes		
			Targeted ²	25.2 through 25.4	25.5	25.6	26.1	26.3	26.4	26.8	27.1 and 27.2.1	27.5	27.6.1	27.7	28.0/28.1	28.2	28.3	29.0	29.1	29.2	29.2.1	29.3	29.5	30.1.0.1	30.4	31.0			
VMware vSphere 6.7 (ESXi 6.7 ⁶)	No	Yes	X	X	X	X	X	X	X	X	X	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	---	---	---	a,b	
VMware vSphere 6.5 (ESXi 6.5)	No	Yes	X	X	X	X	X	X	X	X	X	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	---	---	---	---	---	---	---	a,b	
FreeBSD 15.0	Yes	Yes ⁷	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	X	a	
FreeBSD 14.3	Yes	Yes ⁷	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	X	a
FreeBSD 14.2	Yes	Yes ⁷	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	X	X	---	a	
FreeBSD 14.1	Yes	Yes ⁷	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	X	X	SNV	SNV	---	a		
FreeBSD 14.0	Yes	Yes ⁷	---	---	---	---	---	---	---	---	---	---	---	---	---	---	X	X	X	SNV	SNV	SNV	SNV	---	---	---	a		
FreeBSD 13.5	Yes	Yes ⁷	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	X	a	
FreeBSD 13.4	Yes	Yes ⁷	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	X	X	X	---	a	
FreeBSD 13.3	Yes	Yes ⁷	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	X	SNV	SNV	X	X	SNV	SNV	---	a		
FreeBSD 13.2	Yes	Yes ⁷	---	---	---	---	---	---	---	---	---	---	---	---	---	---	X	X	SNV	SNV	SNV	SNV	SNV	SNV	---	---	---	a	
FreeBSD 13.1	Yes	Yes ⁷	---	---	---	---	---	---	---	---	---	---	---	X	X	X	X	X	SNV	SNV	SNV	SNV	SNV	---	---	---	a		
FreeBSD 13.0	Yes	Yes ⁷	---	---	---	---	---	---	X	X	X	X	X	X	X	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	---	---	---	a		
FreeBSD 12.3	Yes	Yes ⁷	---	---	---	---	---	---	---	---	---	X	X	X	X	X	X	X	SNV	SNV	SNV	SNV	SNV	---	---	---	a		
FreeBSD 12.2	Yes	Yes ⁷	---	X	X	X	X	X	X	X	X	X	X	X	X	SNV	SNV	SNV	SNV	SNV	SNV	SNV	---	---	---	---	a		

continued...



Operating System	In-box/In-distro/In-kernel	Out-of-tree/Async ¹	Supported in Release																							Notes	
			Targeted ²	25.2 through 25.4	25.5	25.6	26.1	26.3	26.4	26.8	27.1 and 27.2.1	27.5	27.6.1	27.7	28.0/28.1	28.2	28.3	29.0	29.1	29.2	29.2.1	29.3	29.5	30.1.0.1	30.4		31.0
FreeBSD 12.1/12/11.4/11.3/11.2	No	Yes ⁷	X	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	---	---	---	---	a
UEFI 2.10	N/A	N/A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	SNV	SNV	SNV	SNV	SNV	SNV	SNV	
UEFI 2.9/2.8	N/A	N/A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	SNV	SNV	SNV	X	X	X	X	
UEFI 2.7/2.6/2.4/2.3	N/A	N/A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	
Option ROM support (Legacy PXE, x64 UEFI driver)	N/A	N/A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	

Note: a. 64 bit only.
b. Driver available at VMware website.

Notes: 1. The VMware ESXi async drivers are developed by Intel. They are certified, signed, and officially supported by VMware. Releases of these drivers can be obtained through the VMware Compatibility Guide, "IO Devices" section.
2. This was a targeted production release.
3. The out-of-tree Linux driver(s) are only officially supported on the Kernels listed above. The driver(s) might compile successfully on an older kernel back to 3.10, but such configurations are not officially supported.
4. Refer to kernel documentation for detailed information on features supported.
5. RDMA and ADQ are not supported on the same E810 interface. Please refer to Release 26.4 Release Notes for details on current limitations.
6. The VMware ESXi 6.7, 7.0, and 8.0 icen driver can operate in either Native Mode or Enhanced Network Stack (ENS) Mode starting with CVL 2.0.
7. The FreeBSD ice driver for the E810 utilizes the iflib API.

Table 5. Virtualized Operating Systems Supported for the E810

Virtualized OS	Host OS		PF Driver	Guest OS	Guest OS VF Driver
VMware	ESXi 9.0 (vSphere 9): GA ESXi 8.0 (vSphere 8): GA, U1, U2, U3		ESXi icen	RHEL 10.1/10.0 RHEL 9.7/9.6/9.5/9.4/9.3 RHEL 8.10/8.9 SLES 16 SLES 15 SP7/SP6/SP5 Ubuntu 24.04/22.04	iavf (Linux)
				Windows Server 2025 Windows Server 2022 Windows Server 2019 Windows Server 2016	iavf (Windows)
Linux	RHEL 10.1/KVM RHEL 10.0/KVM RHEL 9.7/KVM RHEL 9.6/KVM RHEL 9.5/KVM RHEL 9.4/KVM RHEL 9.3/KVM RHEL 8.10/KVM RHEL 8.9/KVM	SLES 16/KVM SLES 15 SP7/KVM SLES 15 SP6/KVM SLES 15 SP5/KVM Ubuntu 24.04/KVM Ubuntu 22.04/KVM	Linux ice	RHEL 10.1/10.0 RHEL 9.7/9.6/9.5/9.4/9.3 RHEL 8.10/8.9 SLES 16 SLES 15 SP7/SP6/SP5 Ubuntu 24.04/22.04	iavf (Linux)
				Windows Server 2025 Windows Server 2022 Windows Server 2019 Windows Server 2016	iavf (Windows)
				FreeBSD 15.0/14.3/13.5	iavf (FreeBSD)
Windows Hyper-V	Windows Server 2025 Windows Server 2022 Windows Server 2019 Windows Server 2016		Windows icea	RHEL 10.1/10.0 RHEL 9.7/9.6/9.5/9.4/9.3 RHEL 8.10/8.9 SLES 16 SLES 15 SP7/SP6/SP5 Ubuntu 24.04/22.04	iavf (Linux)
				Windows Server 2025 Windows Server 2022 Windows Server 2019 Windows Server 2016	iavf (Windows)
Windows Hyper-V	Azure Local 2511		Windows icea	RHEL 10.1/10.0	iavf (Linux)

continued...



Virtualized OS	Host OS	PF Driver	Guest OS	Guest OS VF Driver
	Azure Stack 24H2 Azure Stack 23H2 HCI Azure Stack 22H2 HCI		RHEL 9.7/9.6/9.5/9.4/9.3 RHEL 8.10/8.9 SLES 16 SLES 15 SP7/SP6/SP5 Ubuntu 24.04/22.04	
			Windows Server 2025 Windows Server 2022 Windows Server 2019 Windows Server 2016	iavf (Windows)



Table 6. Operating Systems Supported for RDMA with the E810

Operating System	In-box/ In-distro	Out-of-tree 1/ Async ²	Supported in Release																							Notes	
			Target ³	25.2 through 25.4	25.5	25.6	26.1	26.3	26.4	26.8	27.1 and 27.2.1	27.5 and 27.6.1	27.7	28.0/28.1	28.2	28.3	29.0	29.1	29.2	29.2.1	29.3	29.5	30.1.0.1	30.4	31.0		
Azure Local 2511	No	Yes	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	X	a
Azure Stack HCI (24H2)	No	Yes	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	X	X	X	X	X	a
Azure Stack HCI (23H2)	No	Yes	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	X	X	X	X	X	X	a
Azure Stack HCI (22H2)	No	Yes	---	---	---	---	---	---	---	---	---	---	X	X	X	X	X	X	SNV	SNV	X	X	SNV	SNV	SNV	SNV	a
Azure Stack HCI (21H2)	No	Yes	---	---	---	---	---	---	---	---	---	X	X	X	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	---	a
Azure Stack HCI (20H2)	No	Yes	---	---	---	X	X	X	X	X	X	X	X	X	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	---	a
Windows Server 2025	No	Yes	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	X	X	X	X	X	a
Windows Server 2022	No	Yes	---	---	---	---	---	---	---	X	X	X	X	X	X	X	X	X	SNV	SNV	X	X	X	X	X	X	a
Windows Server 2019 (20H1)	No	Yes	---	---	---	X	X	X	X	X	X	X	X	X	X	X	X	X	SNV	SNV	X	SNV	SNV	X	X	a	
Windows Server 2019 (19H1)	No	Yes	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	a
Windows Server 2019	No	Yes	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	a
Windows Server 2016	No	Yes	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	a

continued...



Operating System	In-box/ In-distro	Out-of-tree 1/ Asyn- c ²	Supported in Release																							Notes			
			Targeted ³	25.2 through 25.4	25.5	25.6	26.1	26.3	26.4	26.8	27.1 and 27.2.1	27.5 and 27.6.1	27.7	28.0/28.1	28.2	28.3	29.0	29.1	29.2	29.2.1	29.3	29.5	30.1.0.1	30.4	31.0				
Linux Kernel LTS 5.15.x/ 5.10.x/ 5.4.x/ 4.19.x/ 4.14.x	No	Yes	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	X	X	X	SNV	SNV	X	X	X	X	X	X	b			
Linux Kernel 6.0.x/ 6.1.x/6.2.x	No	Yes	---	---	---	---	---	---	---	---	---	---	SNV	X	X	X	X	SNV	SNV	SNV	SNV	SNV	SNV	X	X	b			
Linux: RHEL10.0	Yes	Yes	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	X	X	b		
Linux: RHEL 9.7	Yes	Yes	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	X	b		
Linux: RHEL 9.6	Yes	Yes	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	X	X	b		
Linux: RHEL 9.5	Yes	Yes	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	X	X	SNV	SNV	b
Linux: RHEL 9.4	Yes	Yes	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	X	X	X	X	SNV	SNV	SNV	SNV	SNV	b	
Linux: RHEL 9.3	Yes	Yes	---	---	---	---	---	---	---	---	---	---	---	---	X	X	X	SNV	SNV	SNV	SNV	X	X	SNV	SNV	SNV	b		
Linux: RHEL 9.2	Yes	Yes	---	---	---	---	---	---	---	---	---	---	---	X	X	X	X	SNV	SNV	SNV	SNV	SNV	SNV	SNV	---	---	b		
Linux: RHEL 9.1	Yes	Yes	---	---	---	---	---	---	---	---	---	---	X	X	X	X	X	SNV	SNV	SNV	SNV	SNV	SNV	SNV	---	---	b		
Linux: RHEL 9	Yes	Yes	---	---	---	---	---	---	---	---	---	X	X	X	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	---	---	---	---			
Linux: RHEL 8.10	Yes	Yes	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	X	X	X	X	X	X	SNV	SNV	SNV	b		
Linux: RHEL 8.9	Yes	Yes	---	---	---	---	---	---	---	---	---	---	---	---	X	X	X	X	X	X	X	X	SNV	SNV	SNV	SNV	b		
Linux: RHEL 8.8	Yes	Yes	---	---	---	---	---	---	---	---	---	---	---	X	X	X	X	SNV	SNV	SNV	SNV	SNV	SNV	SNV	---	---	b		
Linux: RHEL 8.7	Yes	Yes	---	---	---	---	---	---	---	---	---	---	X	X	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	b		

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Operating Systems Supported—Intel® Ethernet Controller E810

Operating System	In-box/ In-distro	Out-of-tree 1/ Asynchronous ²	Supported in Release																							Notes		
			Targeted ³	25.2 through 25.4	25.5	25.6	26.1	26.3	26.4	26.8	27.1 and 27.2.1	27.5 and 27.6.1	27.7	28.0/28.1	28.2	28.3	29.0	29.1	29.2	29.2.1	29.3	29.5	30.1.0.1	30.4	31.0			
Linux: RHEL 8.6	Yes	Yes	---	---	---	---	---	---	---	---	---	X	X	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	---	---	---			
Linux: RHEL 8.5	No	Yes	---	---	---	---	---	---	---	SNV	X	X	X	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	---	---	---	
Linux: RHEL 8.4	No	Yes	---	---	---	---	---	---	X	X	X	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	---	---	---	
Linux: RHEL 8.3	No	Yes	---	---	---	X	X	X	X	X	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	---	---	---	
Linux: RHEL 8.2	No	Yes	SNV	X	X	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	---	---	---		
Linux: RHEL 8.1	No	Yes	SNV	X	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	---	---	---		
Linux: RHEL 8	No	Yes	X	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	b
Linux: RHEL 7.9	No	Yes	---	---	X	X	X	X	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	---	---	---		
Linux: RHEL 7.8	No	Yes	---	X	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	---	---	---		
Linux: RHEL 7.7	No	Yes	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	---	---	---		
Linux: RHEL 7.6 (with OFED 4.17-1 installed)	No	Yes	X	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	---	---	---	a	
Linux: RHEL 7.5 (with OFED 4.17-1 installed)	No	Yes	X	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	---	---	---		
Linux: RHEL 7.4 (with OFED 4.17-1 installed)	No	Yes	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	---	---	---		
Linux: SLES 16	Yes	Yes	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	X	b	

continued...



Operating System	In-box/ In-distro	Out-of-tree 1/ Async ²	Supported in Release																							Notes	
			Target ³	25.2 through 25.4	25.5	25.6	26.1	26.3	26.4	26.8	27.1 and 27.2.1	27.5 and 27.6.1	27.7	28.0/28.1	28.2	28.3	29.0	29.1	29.2	29.2.1	29.3	29.5	30.1.0.1	30.4	31.0		
Linux: SLES 15 SP7	Yes	Yes	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	X	X	b	
Linux: SLES 15 SP6	Yes	Yes	---	---	---	---	---	---	---	---	---	---	---	---	X	X	X	X	SNV	X	X	X	X	SNV	SNV	b	
Linux: SLES 15 SP5	Yes	Yes	---	---	---	---	---	---	---	---	---	---	---	---	X	X	X	X	SNV	SNV	X	X	SNV	SNV	SNV	b	
Linux: SLES 15 SP4	Yes	Yes	---	---	---	---	---	---	---	---	---	X	X	X	SNV	SNV	SNV	SNV	X	X	X	SNV	---	---	---		
Linux: SLES 15 SP3	No	Yes	---	---	---	---	---	---	---	SNV	X	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	---	---	---		
Linux: SLES 15 SP2	No	Yes	---	---	X	X	X	X	X	X	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	---	---	---		
Linux: SLES 15 SP1	No	Yes	X	X	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	---	---	---		
Linux: SLES 15	No	Yes	X	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	b
Linux: SLES 15 (with OFED 4.17-1 installed)	No	Yes	---	---	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	b
Linux: SLES 12 SP5	No	Yes	---	X	X	X	X	X	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	X	X	X	---	b	
Linux: SLES 12 SP4 (with OFED 4.17-1 installed)	No	Yes	---	---	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	---	---	---		
Linux: SLES 12 SP3	No	Yes	---	---	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	---	---	---		

continued...



Operating Systems Supported—Intel® Ethernet Controller E810

Operating System	In-box/ In-distro	Out-of-tree 1/ Async ²	Supported in Release																						Notes	
			Target ³	25.2 through 25.4	25.5	25.6	26.1	26.3	26.4	26.8	27.1 and 27.2.1	27.5 and 27.6.1	27.7	28.0/28.1	28.2	28.3	29.0	29.1	29.2	29.2.1	29.3	29.5	30.1.0.1	30.4		31.0
(with OFED 4.17-1 installed)																										
Linux: Ubuntu 24.04 LTS	No	Yes	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	X	X	X	X	b
Linux: Ubuntu 22.04 LTS	No	Yes	---	---	---	---	---	---	---	---	---	X	X	X	X	X	X	X	X	X	X	SNV	SNV	SNV	SNV	b
Linux: Ubuntu 20.04.4 LTS	No	Yes	---	---	---	---	---	---	---	---	---	X	X	X	X	X	X	X	SNV	SNV	SNV	SNV	SNV	SNV	---	---
Linux: Ubuntu 20.04.0-3 LTS	No	Yes	---	---	SNV	X	X	X	X	X	X	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	---	---
Linux: Ubuntu 18.04 LTS	No	Yes	X	SNV	SNV	X	X	X	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	SNV	---	---	---
Kylin Linux Advanced Server V10			---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	X	X	X	X	a
FreeBSD 13.1/12.3/12.4/11.4	No	No	---	---	---	---	X ⁴	X ⁴	X ⁴	X	X	X	X	X	X	X	X	X	SNV	SNV	SNV	SNV	---	---	---	---
FreeBSD 15.0	Yes	Yes	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	X	a
FreeBSD 14.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	X	X	a
FreeBSD 14.2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	X	SNV	---	a
FreeBSD 14.1	No	No	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	X	X	SNV	SNV	---	a
FreeBSD 14.0	No	No	---	---	---	---	X ⁴	X ⁴	X ⁴	X	X	X	X	X	X	X	X	X	SNV	SNV	SNV	SNV	---	---	---	
FreeBSD 13.5	No	No	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	X	X	a

continued...



Operating System	In-box/ In-distro	Out-of-tree 1/ Async ²	Supported in Release																							Notes
			Targeted ³	25.2 through 25.4	25.5	25.6	26.1	26.3	26.4	26.8	27.1 and 27.2.1	27.5 and 27.6.1	27.7	28.0/28.1	28.2	28.3	29.0	29.1	29.2	29.2.1	29.3	29.5	30.1.0.1	30.4	31.0	
FreeBSD 13.4	No	No	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	X	X	SNV	---	a
FreeBSD 13.3	No	No	---	---	---	---	X ⁴	X ⁴	X ⁴	X	X	X	X	X	X	X	X	X	SNV	SNV	X	X	SNV	SNV	---	a
FreeBSD 13.2	No	No	---	---	---	---	X ⁴	X ⁴	X ⁴	X	X	X	X	X	X	X	X	X	SNV	SNV	SNV	SNV	---	---	---	
VMware vSphere 9.0 (ESXi 9.0: GA)	Yes	Yes	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	a
VMware vSphere 8.0: GA, U1, U2	No	No	---	---	---	---	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	a
VMware vSphere 7.0: GA, U1, U2, U3	No	No	---	---	---	---	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	---	a
Debian 11	No	Yes	---	---	---	---	---	---	---	---	---	X	X	X	X	X	X	X	X	X	X	SNV	SNV	SNV	SNV	a

Notes:

a. 64 bit only.
b. 64 bit only. Apply the *librdma* patch included in the release to *rdma-core* version mentioned in the *irdma* README.

- The out-of-tree Linux driver(s) are only officially supported on the Kernels and distros listed above. The driver(s) might compile successfully on an older kernel back to 3.10, but such configurations are not officially supported.
- The VMware ESXi async drivers are developed by Intel. They are certified, signed, and officially supported by VMware. Releases of these drivers can be obtained through the VMware Compatibility Guide, "IO Devices" section.
- This was a targeted production release.
- Limited Support. DCB and PFC are not supported on earlier releases.

3.0 NVM and Software Compatibility

With Intel® Ethernet Network Adapters, both the firmware (device NVM image) and network drivers are field-serviceable, and the NVM image and network driver are updated as a matched set. Updating the device image and driver together can increase key features including performance, manageability, media types, physical port counts, virtualization, offloads, remote boot options, VLAN support, teaming, and Receive Side Scaling.

The following table lists the sets of NVM images and Intel® Ethernet Controllers software releases that go together, including the DDP package. Intel recommends that you update the NVM and Software Driver to compatible versions.

NOTE

Update to the device driver for given release prior to running the NVM Update tool.

Table 7. Software/NVM Compatibility for the E810

Version	Software Release Version																											
	Targeted 1	25.2	25.3	25.4	25.5	25.6	26.1	26.3	26.4	26.8	27.1	27.2.1	27.5	27.6.1	27.7	28.0/28.1	28.2	28.3	29.0	29.1	29.2	29.2.1	29.3	29.5	30.1.0.1	30.4	31.0	
NVM Version	1.02	2.00/2.02	2.10/2.12	2.15/2.14	2.20/2.22	2.30/2.32	2.40/2.42	2.50	3.00	3.10	3.20	3.20	4.00	4.01	4.10	4.20	4.30	4.40	4.40	4.50	4.50	4.50	4.60	4.70	4.80	4.90	4.91	
Firmware Version	1.1.16.40	1.4.1.13	1.5.1.5/1.5.1.9	1.5.1.5/1.5.1.9	1.5.2.8	1.5.3.7	1.5.4.5	1.5.5.6	1.6.0.6	1.6.1.9	1.6.2.9	1.6.2.9	1.7.0.7	1.7.0.7	1.7.1.7	1.7.2.4	1.7.3.4	1.7.4.13	1.7.4.13	1.7.5.4	1.7.5.4	1.7.5.4	1.7.6.2	1.7.7.3	1.7.8.2	1.7.9.1	1.7.1.0.1	
NVM Update Tool Version	1.34.23.0	1.35.33.4	1.35.42.5	1.35.42.5	1.35.49.2	1.35.57.1	1.35.62.7	1.37.5.1	1.37.13.5	1.37.34.4	1.38.3.7	1.38.3.7	1.39.5.5	1.39.5.5	1.39.2.0.2	1.39.3.2.6	1.39.5.6.9	1.40.5.5	1.40.5.5	1.41.3.3	1.41.3.3	1.41.3.3	1.42.8.0	1.42.2.4.2	1.43.8.0	1.43.20.0	1.43.30.0	
DDP Default Pipeline Package Version	1.3.4.0	1.3.1.3.0	1.3.1.6.0	1.3.1.6.0	1.3.1.8.0	1.3.2.0.0	1.3.2.4.0	1.3.2.6.0	1.3.2.6.0	1.3.2.7.0	1.3.2.8.0	1.3.2.8.0	1.3.30.0	1.3.30.0	1.3.30.0	1.3.30.0	1.3.35.0	1.3.35.0	1.3.35.0	1.3.36.0	1.3.36.0	1.3.36.0	1.3.36.0	1.3.39.1	1.3.3.9.1	1.3.4.9	1.3.5.3.0	
Icxa (Windows)	1.0.128.0	1.4.29.0	1.4.38.0	1.4.38.0	1.5.74.0	1.6.21.0	1.7.29.0	1.8.39.0	1.9.65.0	1.9.65.0	1.9.65.0	1.11.44.0	1.12.144.0	1.12.144.0	1.12.148.0	1.12.164.0	1.13.242.0	1.14.104.0	1.14.104.0	1.15.121.0	1.15.121.0	1.15.121.0	1.15.121.0	1.15.121.0	For WS2025: 1.17.73.0	For WS2025: 1.18.86.0	For WS2025: 1.20.43.0	

continued...



Version	Software Release Version																														
	Targeted 1	25.2	25.3	25.4	25.5	25.6	26.1	26.3	26.4	26.8	27.1	27.2.1	27.5	27.6.1	27.7	28.0/28.1	28.2	28.3	29.0	29.1	29.2	29.2.1	29.3	29.5	30.1.0.1	30.4	31.0				
														For Windows 11: 1.12.1 45.0												For WS20 22, 2019 : 1.17. 72.0 For WS20 16: 1.14. 104.0	For WS20 22, 2019 : 1.18. 71.0 For WS20 19: 1.20. 45.0 For WS20 16: 1.14. 104.0	For WS20 22: 1.20. 39.0 For WS20 19: 1.20. 45.0 For WS20 16: 1.14. 104.0			
iavf (Windows) ²	---	1.11. 14.1	1.11. 14.1	1.11. 14.1	1.12. 9.0	1.12. 9.0	1.12. 9.0	1.12. 9.0	1.12. 9.0	1.12. 9.0	1.13. 8.0	1.13. 8.0	1.13.8 .0	1.13.8 .0	1.13.8 .0	1.13.8 .0	1.14.2 01.0	1.14.2 02.0	1.14.2 02.0	1.14.2 03.0	1.14.2 03.0	1.14.2 03.0	1.14.2 03.0	1.14.2 03.0	1.16.1 00.0	1.17. 63.0	1.17. 63.0	1.18. 158.0			
ice (Linux)	0.12. 34	1.0.4	1.1.4	1.1.4	1.2.1	1.3.2	1.4.1 1	1.5.8	1.6.4 / 1.6.7	1.7.1 6	1.8.3	1.8.9	1.9.11	1.9.11	1.10.1 .2	1.11.1 4	1.12.6	1.13.7	1.13.7	1.14.9	1.14.1 1	1.14.1 3	1.15.4	1.16.3	1.17. 4	2.3.1 0	2.4.5				
iavf (Linux) ²	3.9.1	4.0.1	4.0.1	4.0.1	4.0.1	4.0.2	4.1.1	4.1.1	4.2.7	4.3.1 9	4.4.2	4.4.2 .1	4.5.3	4.5.3	4.6.1	4.8.2	4.9.1	4.9.5	4.9.5	4.11.1	4.11.2	4.11.3	4.12.5	4.13.3	4.13. 5	4.13. 16	4.13. 20				
irdma (RDMA Linux)	---	1.0.1 3	1.1.2 1	1.1.2 1	1.2.2 1	1.3.1 9	1.4.2 2	1.5.2	1.6.2 8	1.7.7 2	1.8.4 5	1.8.4 5	1.9.30	1.9.30	1.10.1 5	1.11.5 8	1.12.5 5	1.13.4 3	1.13.4 3	1.14.1 7	1.14.3 2	1.14.3 3	1.15.7	1.16.1 0	1.17. 31	2.0.2 6	2.5.2 1				
icen (ESXi) ³	1.0.6	1.2.1 .0	1.3.3 .0	1.3.3 .0	1.4.2 .0	1.4.2 .0 ⁴	1.5.5 .0	1.5.5 .0 ⁵	1.6.2 .0	For ESXi 7.0 U2 and U36: 1.7.5 .0 For ESXi 7.0 GA and U16 and ESXi 6.7 GA and Updates: 1.7.4 .0 For ESXi 6.5 GA and Updates: 1.7.3 .0	For ESXi 7.0 U2 and U35: 1.8.5 .0 For ESXi 7.0 GA and U16 and ESXi 6.7 GA and Updates: 1.8.4 .0 For ESXi 6.5 GA and Updates: See Software Release	For ESXi 7.0 U2 and U36: 1.8.5 .0 For ESXi 7.0 GA and U16 and ESXi 6.7 GA and Updates: 1.8.4 .0 For ESXi 6.5 GA and Updates: See Software Release	For ESXi 7.0 U2 and U36: 1.8.5 .0 For ESXi 7.0 GA and U16 and ESXi 6.7 GA and Updates: 1.8.4 .0 For ESXi 6.5 GA and Updates: See Software Release	For ESXi 7.0 U2 and U36: 1.8.5 .0 For ESXi 7.0 GA and U16 and ESXi 6.7 GA and Updates: 1.8.4 .0 For ESXi 6.5 GA and Updates: See Software Release	For ESXi 7.0 U2 and U36: 1.8.5 .0 For ESXi 7.0 GA and U16 and ESXi 6.7 GA and Updates: 1.8.4 .0 For ESXi 6.5 GA and Updates: See Software Release	For ESXi 7.0 U2 and U36: 1.8.5 .0 For ESXi 7.0 GA and U16 and ESXi 6.7 GA and Updates: 1.8.4 .0 For ESXi 6.5 GA and Updates: See Software Release	For ESXi 7.0 U2 and U36: 1.8.5 .0 For ESXi 7.0 GA and U16 and ESXi 6.7 GA and Updates: 1.8.4 .0 For ESXi 6.5 GA and Updates: See Software Release	For ESXi 7.0 U2 and U36: 1.8.5 .0 For ESXi 7.0 GA and U16 and ESXi 6.7 GA and Updates: 1.8.4 .0 For ESXi 6.5 GA and Updates: See Software Release	For ESXi 7.0 U2 and U36: 1.8.5 .0 For ESXi 7.0 GA and U16 and ESXi 6.7 GA and Updates: 1.8.4 .0 For ESXi 6.5 GA and Updates: See Software Release	For ESXi 7.0 U2 and U36: 1.8.5 .0 For ESXi 7.0 GA and U16 and ESXi 6.7 GA and Updates: 1.8.4 .0 For ESXi 6.5 GA and Updates: See Software Release	For ESXi 7.0 U2 and U36: 1.8.5 .0 For ESXi 7.0 GA and U16 and ESXi 6.7 GA and Updates: 1.8.4 .0 For ESXi 6.5 GA and Updates: See Software Release	For ESXi 7.0 U2 and U36: 1.8.5 .0 For ESXi 7.0 GA and U16 and ESXi 6.7 GA and Updates: 1.8.4 .0 For ESXi 6.5 GA and Updates: See Software Release	For ESXi 7.0 U2 and U36: 1.8.5 .0 For ESXi 7.0 GA and U16 and ESXi 6.7 GA and Updates: 1.8.4 .0 For ESXi 6.5 GA and Updates: See Software Release	For ESXi 7.0 U2 and U36: 1.8.5 .0 For ESXi 7.0 GA and U16 and ESXi 6.7 GA and Updates: 1.8.4 .0 For ESXi 6.5 GA and Updates: See Software Release	For ESXi 7.0 U2 and U36: 1.8.5 .0 For ESXi 7.0 GA and U16 and ESXi 6.7 GA and Updates: 1.8.4 .0 For ESXi 6.5 GA and Updates: See Software Release	For ESXi 7.0 U2 and U36: 1.8.5 .0 For ESXi 7.0 GA and U16 and ESXi 6.7 GA and Updates: 1.8.4 .0 For ESXi 6.5 GA and Updates: See Software Release	For ESXi 7.0 U2 and U36: 1.8.5 .0 For ESXi 7.0 GA and U16 and ESXi 6.7 GA and Updates: 1.8.4 .0 For ESXi 6.5 GA and Updates: See Software Release	For ESXi 7.0 U2 and U36: 1.8.5 .0 For ESXi 7.0 GA and U16 and ESXi 6.7 GA and Updates: 1.8.4 .0 For ESXi 6.5 GA and Updates: See Software Release	For ESXi 7.0 U2 and U36: 1.8.5 .0 For ESXi 7.0 GA and U16 and ESXi 6.7 GA and Updates: 1.8.4 .0 For ESXi 6.5 GA and Updates: See Software Release	For ESXi 7.0 U2 and U36: 1.8.5 .0 For ESXi 7.0 GA and U16 and ESXi 6.7 GA and Updates: 1.8.4 .0 For ESXi 6.5 GA and Updates: See Software Release	For ESXi 7.0 U2 and U36: 1.8.5 .0 For ESXi 7.0 GA and U16 and ESXi 6.7 GA and Updates: 1.8.4 .0 For ESXi 6.5 GA and Updates: See Software Release

continued...

NVM and Software Compatibility—Intel® Ethernet Controller E810

Version	Software Release Version																												
	Targeted 1	25.2	25.3	25.4	25.5	25.6	26.1	26.3	26.4	26.8	27.1	27.2.1	27.5	27.6.1	27.7	28.0/28.1	28.2	28.3	29.0	29.1	29.2	29.2.1	29.3	29.5	30.1.0.1	30.4	31.0		
											Release 26.8	Release 26.8																	
irdman (RDMA ESXi)	---	---	---	---	1.3.1.20 ⁷	1.3.1.20 ^{4,7}	1.3.3.0 ⁸	1.3.3.0 ⁸	1.3.4.23 ⁸	1.3.6.0 ⁷	1.3.8.0	21.3.8.0	1.3.8.0	1.3.8.0	1.4.1.0	For ESXi 8.0: 1.4.4.0 For ESXi 7.0: 1.4.3	For ESXi 8.0: 1.4.4.0 For ESXi 7.0: 1.4.3	For ESXi 8.0: 1.4.4.0 For ESXi 7.0: 1.4.3	For ESXi 8.0: 1.4.4.0 For ESXi 7.0: 1.4.3	For ESXi 8.0: 1.4.4.0 For ESXi 7.0: 1.4.3	For ESXi 8.0: 1.4.4.0 For ESXi 7.0: 1.4.3	For ESXi 8.0: 1.4.4.0 For ESXi 7.0: 1.4.3	For ESXi 8.0: 1.4.4.0 For ESXi 7.0: 1.4.3	For ESXi 8.0: 1.4.4.0 For ESXi 7.0: 1.4.3	For ESXi 8.0: 1.4.4.0 For ESXi 7.0: 1.4.3	For ESXi 8.0: 1.4.4.0 For ESXi 7.0: 1.4.3	1.5.1.0	For ESXi 8.0: 2.0.1.0 For ESXi 7.0: 1.5.1.0	2.0.1.0
ice (FreeBSD)	0.22.17	0.26.10	0.26.16	0.26.16	0.27.2	0.28.1	0.28.6	0.29.4	1.30.3	1.34.2	1.34.5	1.34.6	1.35.5	1.35.5	1.37.7 / 1.37.11	1.38.16	1.39.13	1.39.13	1.40.7	1.40.7	1.40.7	1.40.7	1.41.10	1.42.10	1.42.10	1.42.10	2.0.9	2.0.16	
irdma (RDMA FreeBSD)	---	---	---	---	---	---	0.0.18 ⁹	0.0.26 ⁹	0.0.31 ⁹	0.0.50 ⁸	1.0.0	1.0.0	1.0.9	1.0.9	1.1.5	1.1.11	1.2.17	1.2.36	1.2.36	1.3.9	1.3.9	1.3.9	1.3.9	1.3.9	1.3.9	1.3.27	1.3.46	1.3.55	
lavf (FreeBSD)	3.0.16	3.0.24	3.0.25	3.0.25	3.0.25	3.0.25	3.0.26	3.0.26	3.0.26	3.0.26	3.0.26	3.0.29	3.0.30	3.0.30	3.0.30	3.0.31	3.0.32	3.0.33	3.0.33	3.0.33	3.0.33	3.0.33	3.0.33	3.0.33	3.1.2	3.1.2	3.1.5	3.1.6	
EPCT Version	1.34.23.0	1.35.33.3	1.35.42.0	1.35.42.0	1.35.49.0	1.35.57.1	1.35.62.1	1.37.5.3	1.37.13.3	1.37.34.3	1.38.3.6	1.38.3.6	1.39.5.5	1.39.5.5	1.39.2.0.1	1.39.3.2.5	1.39.5.6.9	1.40.5.5	1.40.5.5	1.41.3.3	1.41.3.3	1.41.3.3	1.41.3.3	1.42.8.0	1.42.2.4.2	1.43.8.00	1.43.20.0	1.43.30.0	
<p>Notes: 1. This was a targeted production release.</p> <p>2. For devices that are AVF compliant as described here (https://www.intel.com/content/www/us/en/products/docs/network-io/ethernet/controllers/ethernet-adaptive-virtual-function-hardware-spec.html), AVF base mode features are supported across NVM/PF combinations. Advanced features for VF drivers might require an update to NVM and PF/AVF drivers.</p> <p>3. Drivers posted in VMware Compatibility Guide (VCG) might differ in version from drivers listed in this document at publication. Refer to https://www.vmware.com/resources/compatibility/search.php for latest compatible versions.</p> <p>4. ESXi drivers have not been updated. No new driver versions are available for Release 25.6.</p> <p>5. ESXi drivers have not been updated. No new driver versions are available for Release 26.3.</p> <p>6. A different VMware Native Driver Developer Development Kit (NDDK) was used for the "icen" build starting with VMware ESXi 7.0 U2 and U3. To distinguish the drivers using different NDDKs, "icen" builds for VMware 7.0 U2 and U3 are incremented to a higher version compared to VMware 7.0 GA and U1.</p> <p>7. The driver has not been certified and should only be used for validation purposes.</p> <p>8. RDMA driver certification and vSAN certification will be post-release.</p> <p>9. Limited Support. DCB and PFC are not currently supported.</p>																													

Additionally, the NVM update package that comes with the Intel® Ethernet Controllers Software Release allows updates from older NVM versions. The following table indicates the version of NVM from which the tool allows updates.

Table 8. NVM Transition Support for the E810

Current (Old) NVM ⁵	New NVM (with Associated Tools, and Base Driver Version) ^{1,2,3}																					
	2.00/2.02	2.10/2.12	2.15/2.14	2.20/2.22	2.30/2.32	2.40/2.42	2.50	3.00	3.10	3.20	4.00/4.01	4.10	4.20	4.30	4.40	4.50	4.60	4.70	4.80	4.90	4.91	
2.00/2.02	N/A ⁴	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No ⁵	No ⁵	No ⁵	No ⁵	
2.10/2.12	Yes	N/A ⁴	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No ⁵	No ⁵	No ⁵	No ⁵	
2.15/2.14	Yes	Yes	N/A ⁴	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No ⁵	No ⁵	No ⁵	No ⁵	
2.20/2.22	Yes	Yes	Yes	N/A ⁴	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No ⁵	No ⁵	No ⁵	No ⁵	
2.30/2.32	No	No	No	No	N/A ⁴	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No ⁵	No ⁵	No ⁵	No ⁵	
2.40/2.42	No	No	No	No	Yes	N/A ⁴	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No ⁵	No ⁵	No ⁵	No ⁵	
2.50	No	No	No	No	No	No	N/A ⁴	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No ⁵	No ⁵	No ⁵	No ⁵	
3.00	No	No	No	No	No	No	No	N/A ⁴	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No ⁵	No ⁵	No ⁵	No ⁵	
3.10	No	No	No	No	No	No	No	No	N/A ⁴	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No ⁵	No ⁵	No ⁵	No ⁵	
3.20	No	No	No	No	No	No	No	No	Yes	N/A ⁴	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No ⁵	No ⁵	No ⁵	No ⁵	
4.00/4.01	No	No	No	No	No	No	No	No	Yes	Yes	N/A ⁴	Yes	Yes	Yes	Yes	Yes	Yes	No ⁵	No ⁵	No ⁵	No ⁵	
4.10	No	No	No	No	No	No	No	No	No	No	No	N/A ⁴	Yes	Yes	Yes	Yes	Yes	No ⁵	No ⁵	No ⁵	No ⁵	
4.20	No	No	No	No	No	No	No	No	No	No	No	No	N/A ⁴	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
4.30	No	No	No	No	No	No	No	No	No	No	No	No	Yes	N/A ⁴	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
4.40	No	No	No	No	No	No	No	No	No	No	No	No	No	No	N/A ⁴	Yes	Yes	Yes	Yes	Yes	Yes	
4.50	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	N/A ⁴	Yes	Yes	Yes	Yes	Yes	
4.60	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	N/A ⁴	Yes	Yes	Yes	Yes	
4.70	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	Yes	N/A ⁴	Yes	Yes	Yes	
4.80	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	N/A ⁴	Yes	Yes	
4.90	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	Yes	N/A ⁴	Yes
4.91	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	Yes	Yes	N/A ⁴

Notes: 1. NVM transition must be done with the Tools and Base Driver from the latest release. Refer to Table 7 for supported NVM, Tools, and Base Driver versions.
 2. Each step of a NVM transition requires a reboot (PCIe reset).
 3. Downgrade from NVM 1.02 is available only on selected devices.
 4. Updating to same image again is allowed.
 5. NVM 4.7 and above update is possible for NVM 4.2 upwards.

NOTE

The MinSRev on your device determines if you can downgrade to an older SRev. For details on how this works, see the [Minimum Security Revision Control for Intel® Ethernet Products Application Note](#) (Doc ID: 635205).

4.0 DPDK Compatibility

For the DPDK Recommended Matching List, refer to the [Intel® Ethernet Controller 800 Series Data Plane Development Kit \(DPDK\) - Configuration Guide](#). It contains driver, firmware, and DDP package versions recommended for use with the supported DPDK version.

5.0 Validation - Configuration Maximums

E810 product validation has been limited to the following configuration maximum values. Configurations that operate the device beyond these limits is not supported.

Enterprise Use Cases:

- 1 port: 16 VMs, 16 VF, 1 VF per VM
- 2 ports: 16 VMs total on host, 8 VMs per port, 1 VF per VM

Comms Use Cases:

Use case assumes up to 64 VMs per port, each VM has 2 VFs, bi-directional traffic on these 2 VFs

- 1 port: 64 VMs, 128 VFs, 2 VFs per VM
- 2 ports: 64 VMs total on host, 32 VMs per port, 2 VFs per VM
- 4 ports: 64 VMs total on host, 16 VMs per port, 2 VFs per VM
- 8 ports: 64 VMs total on host, 8 VMs per port, 2 VFs per VM

Cloud Service Provider (CSP) with containers Use Cases:

- Use case assumes up to 256 VFs with SR-IOV, assign them to containers, 1 VF per container

Table 9. Configuration Maximums

Host OS	Max VFs Advertised by Device	Max VFs Validated	Max VMs Validated	Max Containers Validated	Guest OS
Windows	256	128	64	---	Linux, Windows
Linux	256	128	64	256	Linux
ESXi	256	256	28	---	Linux, Windows