

Linux Base Virtual Function Driver for Intel(R) 10G Ethernet

Intel 10 Gigabit Virtual Function Linux driver. Copyright(c) 1999-2018 Intel Corporation.

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This driver supports 82599, X540, X550, and X552-based virtual function devices that can only be activated on kernels that support SR-IOV.

For questions related to hardware requirements, refer to the documentation supplied with your Intel adapter. All hardware requirements listed apply to use with Linux.

Identifying Your Adapter

The driver is compatible with devices based on the following:

- Intel(R) Ethernet Controller 82598
- Intel(R) Ethernet Controller 82599
- Intel(R) Ethernet Controller X520
- Intel(R) Ethernet Controller X540
- Intel(R) Ethernet Controller x550
- Intel(R) Ethernet Controller X552
- Intel(R) Ethernet Controller X553

For information on how to identify your adapter, and for the latest Intel network drivers, refer to the Intel Support website: <https://www.intel.com/support>

Known Issues/Troubleshooting

SR-IOV requires the correct platform and OS support.

The guest OS loading this driver must support MSI-X interrupts.

This driver is only supported as a loadable module at this time. Intel is not supplying patches against the kernel source to allow for static linking of the drivers.

VLANs: There is a limit of a total of 64 shared VLANs to 1 or more VFs.

Support

For general information, go to the Intel support website at:

<https://www.intel.com/support/>

or the Intel Wired Networking project hosted by Sourceforge at:

<https://sourceforge.net/projects/e1000>

If an issue is identified with the released source code on a supported kernel with a supported adapter, email the specific information related to the issue to e1000-devel@lists.sf.net.